STIC-Biotech/ChemLib

31954

From:

Whiteman, Brian

Sent:

Wednesday, September 08, 2004 12:54 PM

To:

STIC-Biotech/ChemLib

Subject:

seq search

09/729,264 Welcher et al., 11/28/00

Please perform an olimoger search againts SEQ ID NOs: 1, 3 and 5.

If possible limit search to at least 16 nucleotides or more.

Thank you,

Brian Whiteman Remsen, 2D14 mail box 2C18 Patent Examiner - Art Unit 1635 United States Patent and Trademark Office (571) 272-0764 RE

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Searcher:
Searcher Phone: 2Date Searcher Picked up:
Date Completed:
Searcher Prep/Rev. Time:
Online Time:

Type of Search
NA Sequence: #
AA Sequence :#
Structure: #
Bibliographic:
Litigation:
Patent Family:
Other:

Vendors and cost where applicable STN:

DIALOG:
QUESTEL/ORBIT:
LEXIS/NEXIS:
SEQUENCE SYSTEM:
WWW/Internet:
Other(Specify):

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Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		Description		FRY399881 RX399881	too com too com	BX358190 BX358190	BX37011B BX37011B	OTTO CTTO CTTO	BX403420 BX403420
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₩	Query			52.3		47.4	38.6		31.1
		Score		614		478	453		443
	Result	No.		1	•	7	٣	•	7"

SUMMARIES

			Clone CS0DI085YA24 5-PRIME, mRNA sequence.	BX399881	BX399881.1 GI:30622019	BST.	Homo sapiens (human)	1 Homo sapiens	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;	Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo	1 (bases 1 to 1201)	Li, W.B., Gruber, C., Jessee, J. and Polayes, D.	Full-length cDNA libraries and normalization	Unpublished (2001)	Contact: Genoscope	Genoscope - Centre National de Sequencaqe	BP 191 91006 EVRY cedex - France	Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr	Library was constructed by Life Technologies, a division of	Invitrogen. This sequence belongs to sequence cluster 10299.f, and	it belongs to a clone representative of this cluster. For more	information about this cluster and the virtual cDNA, see	http://www.genoscope.cns.fr/	cgi-bin/cluster.cgi?seq=CS0DI085BA12QP1&cluster=10299.f. Contact :	Feng Liang Email : fliang@lifetech.com URL :	
TODELCVG	LOCUS	DEFINITION		ACCESSION	VERSION	KEYWORDS	SOURCE	ORGANISM			REFERENCE	AUTHORS	TITLE	JOURNAL	COMMENT											

²⁷⁵¹³²⁸⁹ seqs, 14931090276 residues Searched:

⁵⁵⁰²⁴⁰¹⁴ Total number of hits satisfying chosen parameters:

Minimum DB seq length: 16 Maximum DB seq length: 2000000000

Wed Sep

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AATACAACTGTAGTATAG
Homo sapiens (human)
                                                                                                                    Contact: Genoscope
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                                                                                                    /clone="CSODIO85YA24"
/tissue type="PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="Ist strand cDNA was primed with a NotI-oligo (dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized.
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 InvitroGen Corporation 1600 ID : CS0DI085BA12QP1.
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                                                                                                                                                                                                                                    52.3%; Score 614; DB 13; Length 1201;
llarity 100.0%; Pred. No. 1.3e-295;
Conservative 0; Mismatches 0; Indels 0
                   Faraday Avenue Genoscope sequence
Location/Qualifiers
    http://fulllength.invitrogen.com/
                                                             'organism="Homo sapiens"
                                                                          /mol_type="mRNA"
/db_xref="taxon:9606"
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/mol_type="mRNA"
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="Ist strand cDNA was primed with a Not1-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
Craniata; Vertebrata; Euteleostomi;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Penosope centra National Conference of the Nava Genoscope.cns.fr
Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Feng Liang Email: fliang@lifetech.com URL:
http://full.ength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSODI035AB01QPL.
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1201)
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                                                                                                                                                                                          Li, W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization Unpublished (2001)
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100.0%; Pred. No. 1.5e-237;
iive 0; Mismatches 0;
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BX403420

941 bp mRNA linear EST 13-MAY-2003
BX403420 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
     1092 CGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAAG 1151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: segref@genoscope.cns.fr. Web: www.genoscope.cns.fr
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster.
10299.f, and it belongs to a clone representative of this cluster.
bttp://www.genoscope.cns.fr/
http://www.genoscope.cns.fr/
Feng Liang Email: fliangalifetech.com URL:
http://fulllength.invitrogen.com/InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSSAA017E002RMI.
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Li, W. B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               291
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="List strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized.
                                                        451 GGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAG
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100.0%; Pred. No. 4.6e-210;
tive 0; Mismatches 0;
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BP 191 91006 EVRY cedex - France
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                                                                                                             1152 GTCAGTAATACAACTGTAGTATAG 1175
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/db_xref="taxon:9606"
/clone="CS0DI085YA24"
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                         BX370118

BX370118 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DI076YN22 5-PRIME, mRNA sequence.
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens primed with a NotI-oligo (dT)
primer. Five prime end enriched, double-strand cDNA was
digested with NotI and cloned into the NotI and ECOR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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1 (bases 1 to 917)
1 "A" B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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BP 191 91006 EVRY cedex - France
BF all: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 2250.r For
more information about this cluster, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSOBAG037ZE05_CS03493_2&cluster=2250.r.
Contact : Feng Liang Email : fliang@llfetech.com URL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAG037ZE05_CS03493_2.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone="CS0DI076YN22"
                                                                                                                                   BX370118.1 GI:30447910
                                                                                                                                                                                   sapiens (human)
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Best Local Similarity
Matches 503; Conserv
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SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                       BG740428 125 bp mRNA linear EST 15-MAY-2001 000533817F1 NCL_CGAP_SKn3 Homo sapiens cDNA clone IMAGE:4778789 5',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 438
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/mol type="mmm" hours septems
/db_xref="taxon:9606"
/db_cref="taxon:9606"
/lab_host="MHGB:4778789"
/lab_host="MHGB (T1 phage-resistant)"
/clone lib="MCI CGAP Skn3"
/note="Organ: skin; Vector: pCMV-SPORT6; Site_I: NotI;
Site_2: Sall; Cloned unidirectionally. Primer: oligo dT. Average insert size 1.5kb. Library constructed by Life Technologies. Note: this is a NCI_CGAP Library.
                                                                                                                                                  972
  GTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGCTGCAACTGCTGCTGCT
                                                                                                                                                                         272 CTGAAAAAGAGAAGACAAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTCCGGCT 331
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

    (bases 1 to 725)

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                                                                                                                                                  CTGAAAAAGAGAAGAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTCCGGCT
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                                                    GCCGTTGTTGTTTCTGCTGTAGAAAAAAAAGAGGATTTCGTATTCAAATTTCAAAAAA
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National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: James Cleaver, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL) Di
Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can l
found through the I.M.A.G.E. Consortium/LINL at:
Plate: LiAM10635 row: b column: 06
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100.0%; Pred. No. 5.3e-122;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                  332 ACAATTCAGATGAACAAAAGACCACAGA 359
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Location/Qualifiers
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BG740428
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970 bp mRNA linear EST 08-MAY-200:
BX370209 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS0DI085YA24 5-PRIME, mRNA sequence.
                                                                              411
                                                                                                                                                                                 471
                                                                                                                                                                                                                              CTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCGGGTCCCGGATA 705
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1 (Dases 1 to 970)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Li, W.B., Gruber, C., Jessee, J. and normalization
Unpublished (2001)
Contact: Genoscope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/mol type="mRNA"
/mol type="mRNA"
/mol type="mRNA"
/losue type="FLACENTA COT 25-NORMALIZED"
/clone="Lype="FLACENTA COT 25-NORMALIZED"
/clone="lot strand cDNA was primed with a NotI-oligo(dT)
/note="lot strand cDNA was primed with a NotI-oligo(dT)
/note="lot strand cDNA was primed with a NotI-oligo(dT)
/primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and ECOR V
sites of the pCMVSPORT 6 vector. Library was normalized.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 http://www.genoscope.cns.fr/
cgi.bin/cluster.cgi?seg=CSOBAG039ZE05 CSO3685 l&cluster=10299.f.
Contact : Feng Liang Email : fliang@lTfetech.com URL :
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAG039ZE05_CSO3685_1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Genoscope - Centre National de Sequencage
BP 191 91006 ENRY cedex - France BP 191 91006 ENRY cedex - France Bmall: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f,
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TGCCTACTTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCCGACGT
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AGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGCGTCGCTGCATGGATCTG
                                                                                                                                crinaccrinaccerccaacrinareseaccercricarreceacrerranterrerrer
                                                                                 CTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCCAGTGTTAATCTTGTAGTCG
                                                                                                                                                                                 CTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCGGGCTCCCGGATA
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                                                                                                                                                                                                                                                                                                          TITCCTGGGAGCTCGGTCTCCTG 494
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Homo sapiens
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Athersys, Inc.
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BP 191 91006 EVRY cedex - France
BP 191 91006 EVRY cedex - France
Email: seqref@agenoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr,
cgi-bin/cluster.cgi?seq-cSOBAG039ZE05_CS03685_Z&cluster=10299.f.
Contact. Feng Liang Email: fliang@lifetech.com URL
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAG039ZE05_CS03685_2.
Location(Qualifiers
                                                                                                                                                                                                                           BX370210
BX370210 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CSODI085YA24 5-PRIME, mRNA sequence.
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559 TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue type="PDACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotL-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and BCOR V
sites of the pCMVSFORT 6 vector. Library was normalized."
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1 (Dases 1 to 1148)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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                                                                     1148 GAAGGTCAGTAATACAACTGTAGTATA 1174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Homo sapiens"
/mol_type="mRNA"
                                                                                               619 GAAGGTCAGTAATACAACTGTAGTATA 645
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RESULT

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Harrington, J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R., Harrington, J.J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R., Cain, S., Leventhal, C., Thornton, M., Ramachandran, R., Myttington, J., Lerner, L., Costanzo, D., McBlligott, K., Boozer, S., Mays, R., Smith, B., Veloso, N., Klika, A., Hess, J., Cothren, K., Lo, K., Coffenbacher, J., Danzig, J. and Ducar, M. Creation of genome-wide protein expression libraries using random activation of gene expression activation of gene expression Nat. Biotechnol. 19 (5), 440-445 (2001)
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       EST 21-APR-2001
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Pan troglodytes DNA, clone: PTB-060F12.F, genomic survey sequence.
AG069679
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pan.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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/db xref="taxon.9606"
/cell_lih="HT1080"
/clone_lih="Athersys RAGE Library"
/note="See 'Creation of Genome-wide Protein Expression
BG206666 21-APR-2
RST26117 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
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Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
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100.0%; Pred. No. 4.6e-63;
tive 0; Mismatches 0;
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Location/Qualifiers
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Pan troglodytes
                                                                                                            BG206666.1 GI:13728353
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Tel:81-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC end
was generated during the R&D process and may have higher chance of
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(Dases 1 to 1201)

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

Unpublished (2001)
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="list strand club, was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
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Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: sequence blongs to sequence cluster 10299.f
Contact : Feng Liang Email : fliang@lifetech.com UKL :
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODI035AB01NP1.
                                                                                                                                                                                                                                                                                                                                                          Length 677;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12.4%; Score 146; DB 29;
100.0%; Pred. No. 1.9e-61;
cive 0; Mismatches 0;
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/organism="Pan troglodytes"
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                                                                                                                                                                                                                                                                                         /mol_type="genomic_DNA"
/db_xref="taxon:9598"
/clone="PTB-112N07.F"
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/db_xref="taxon:9606"
/clone="CS0D1035YC01"
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100.0%; Pre-
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BX358189.1 GI:30370198
                                                                                                             Sequencing: -21M13
                                                                 clone tracking errors.
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                                                                                                                                                  Submitted (02-AUG-2001) Asao Fujiyama, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC); 1-7-22 Suehiro-chou, Tsurumi, Ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:chimpbes@gsc.riken.go.jp, UKL:http://hgp.gsc.riken.go.jp/, Tel:81-45-503-9111, Fax:81-45-503-9170) Clones are derived from the chimpanzee BAC library PTB This BAC end was generated during the R&D process and may have higher chance of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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Totoki,Y., Watanabe,H. and Sakaki,Y.
Direct Submission
Submitsed (02-4002-2001) Asao Fujiyama, The Institute of Physical
and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
1-7-22 Suehiro-chou,Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan
(E-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/,
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Pan troglodytes DNA, clone: PTB-112N07.F, genomic survey sequence.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
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BAC end sequences of Library PTB
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                                                                                        Taylor, T.D., Yada, T.,
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/clone_lib="PTB Chimpanzee Male BAC Library"
                                                                                 Fullyama, A., Hattori, M., Toyoda, A., Totoki, Y., Watanabe, H. and Sakaki, Y. Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /.organism="Pan troglodytes"
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/db_xref="taxon:9598"
/clone="PTB-060F12.F"
Totoki,Y., Watanabe,H. and Sakaki,Y.
BAC end sequences of Library PTB
Unpublished
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AG107877.1 GI:16728395
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1076 CCAGCGGGCTGATCAACGTCCACCCAGGCAAGTCATCCACCACGCTTCTTTAATCT
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                                                                                                                                                                                                                                                                                                                           EST 14-FEB-1996
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                                                                                                                                                             digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."
                                                                                                                                                                                                                                                                                                                       N47851
yw95h05.rl Soares placenta 8to9weeks_2NbHP8to9W Homo sapiens cDNA
clone IMAGE:260025 5', mRNA sequence.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 (bases I to 185)
Hiller,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Wilson,R., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                           Gaps
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444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                        Length 1201;
                                                                                                         0; Indels
                                                                        9.4%; Score 110; DB 13;
llarity 100.0%; Pred. No. 2.3e-43;
Conservative 0; Mismatches 0;
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Req primer: 177

High quality sequence stop: 150.

Location/Qualifiers
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/db_xref="GDB:3889731"
/db_xref="taxon:9606"
/clone="IMAGB:260025"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The WashU-Merck EST Project
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N47851.1 GI:1189017
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished (1995)
Contact: Wilson RK
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110; Conserv
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Query Match
8.5%; Score 100; DB 14; Length 185;
Best Local Similarity 100.0%; Pred. No. 1.5e-38;
Matches 100; Conservative 0; Mismatches 0; Indels 0

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1076 CCAGCGGGCTGATCAACGTCCACCCAGCCAGCAAGTCATCCACAGGCTTCTTTAATCT 1135
                                                                                                                                                                                                                                     N93995 234 bp mRNA linear EST 05-APR-1996 za66f09.rl Soares fetal_lung_NbHL19W Homo sapiens cDNA clone IMAGE:297545 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M. Fatina Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares fetal heart NDHH19W."
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 234)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultnan,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Materston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mashington University School of Medicine
4444 Forest Parkway, Box 8501, St. Louis, MO 63108
7e1: 314 286 1800
Fax: 314 286 1800
Fax: 314 286 1800
Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Seq primer: mob.REGA+ET
High quality sequence stop: 159.
1. 234
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                                                                          1136 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175
                                                                                                          8.5%; Score 100; DB 14;
100.0%; Pred. No. 1.6e-38;
tive 0; Mismatches 0;
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mol_type="mRNA"

db_xref="gDB:124246"

/db_xref="laxon:9606"

/clone="IMAGE:297545"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The WashU-Merck EST Project
Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                N93995.1 GI:1266304
                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens (human)
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Matches 100; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
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173 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 212

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Contact: Mahairas GG, Wallace JC, Hood L
High Throughput Sequencing Center
University of Washington
401 Queen Anne Avenue North, Seattle, WA 98109, USA
Tel: (206) 616-3818
Fax: (206) 616-3887
Email: jwallace@u.washington.edu
Clones are derived from the human BAC library RPCI-11. For BAC
library availability, please contact Pieter de Jong
(pleer@delpong.med.buffalo.edu). Clones may be purchased from
BACPAC Resources (http://bacpac.med.buffalo.edu/ordering_bac.htm)
or from Resear h Genetics (info@resgen.com). BAC end Web Server:
                                                                                                                                                                                                                                           Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 525)
Mahairas, G.G., Wallace, J.C., Smith, K., Swartzell, S., Holzman, T.,
Meller, A., Shaker, R., Furlong, J., Young, J., Zhao, S., Adams, M.D. and
Họod, L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone lib="RPCI-11 Human Male BAC Library"
/note="Vector: pBACe3.6; Site_1: EcoR1; Site_2: EcoR1;
/note="Vector BACe3.6; Site_1: EcoR1; Site_2: EcoR1;
and bartially digested with a combination of EcoR1 and EcoR1 Methylase. Size selected DNA was cloned into the pBACe3.6 vector at EcoR1 sites"
                                                       GSS 13-MAR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1100 CAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAA 1159
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AQ403719 525 bp DNA linear GSS 13-MAR-HS_5049_Al_C11_T7A_RPCI-11_Human Male_BAC_Library_Homo_sapiens
genomic_clone_Plate=625_Col=21_Row=E, genomic_survey_sequence.
AQ403719
                                                                                                                                                                                                                                                                                                                                                                                         Sequence-tagged connectors: A sequence approach to mapping and
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Proc. Natl. Acad. Sci. U.S.A. 96 (17), 9739-9744 (1999)
99380589
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mol_type="genomic_DNA"
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/organism="Homo sapiens"
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Location/Qualifiers
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                                                                                                                                                                                             Homo sapiens (human)
Homo sapiens
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Class: BAC ends
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LOCUS
DEFINITION
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RESULT 14
AQ403719/c
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PUBMED
COMMENT
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SOURCE
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/dev_stage="newborn infant"
/lab_host="E. col; SOLR"
/clone lib="Kaze MMELZ"
/note="Organ: placenta; Vector: Uni-ZAP XR; Site_1: EcoR
/note="Organ: placenta; Vector: Uni-ZAP XR; Site_1: EcoR
/note="Organ: placenta; Vector Stratagene ZAP-CDNA
Synthesis kit (catalog #200400) and ZAP-CDNA Gigapack III
Gold Cloning Kit (catalog #200400)"
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Mammalia, Eutheria, Primates, Catarrhini, Cercopithecidae,
                                                                                                                                                                                                                                                                                                                                                                              Fax: 2063780408
Email: cmagness@illumigen.com
Equenced on 2003.10.16. 695 Q20 bases. Assembles in contig w/ 1
member(s). Contig contains 1 (0%) lib members.
                                                                                                                                                                                                                     Katze, M.G., Thomas, M., Korth, M., Iadonato, S.P. and Magness, C.L. Large-scale Rheeus Macaque CDNA Sequencing
Unpublished (2003)
Contact: C. Magness
Illumigen Biosciences Inc.
2203 Airport May S, Suite 450, Seattle, WA 98134, USA
Tel: 2063780400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                292 AGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCTG
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100.0%; Pred. No. 7.2e-20;
ive 0; Mismatches 0; Indels
human LOC150084 (Hs.422120), mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'organism="Macaca mulatta"
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BACKWARD: CACTATAGGGCGAATTGGGTA
Insert Length: 976 Std Brror: 0.
Plate: CL000009 row: C column: 0
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                                                                                        Macaca mulatta (rhesus monkey)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="mRNA"
/strain="Indian"
                                                                                                                                                                         Cercopithecinae, Macaca.
1 (bases 1 to 976)
                    CK230652
CK230652.1 GI:39636835
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    sex="male"
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                                                                                                               Macaca mulatta
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Matches 63; Conser
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September 14, 2004, 22:59:39; Search time 3426.42 Seconds (without alignments) 10179.449 Million cell updates/sec
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1168
1 agtgatcatggtggcaggag......gtaatacaactgtagtatag 1168
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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No.
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BX399881 BX399881 BX358190 BX358190 BX370118 BX370118 BX403420 BX403420

BX399881 BX358190 BX370118 BX403420

44.3 42.6 38.8 30.9

517 498 453 361

Score

BX370209 BX370209 BG740428 602633817 BX370210 BX370210 BG20666 RX370210 AG107877 Pan trog1 AG107877 Pan trog1 BX158189 BX358189 N47851 yw95h05.r1 N92955 za66f00.r1 AQ403719 HS_5049 A CX230602 ILLUMIGEN CX230602 ILLUMIGEN	AG142221 Pan trog1 CD344913 EESTPE675 AQ54176 RPCI-11-3 AB082057 Drosophil AA941851 LD2716.5 BQ862485 QGC21D13. AZ411779 IM0185B04 BB663870 BB653870 BB653870 BB653870 BB653870 BB653870 BG8648901 OSUNBD12I BG8648901 OSUNBD12I BG78648901 OSUNBD12I BG78648901 OSUNBD12I BG78648901 OSUNBD12I BG7864806 OST3669 M CG470507 OST36980 M CG470507 OST363854 CG470507 OST363854 CG470507 OST363854 CG470507 OST363854 CG481760 OST13233	BB343618 BB343618 CG476832 Z46691 A ZC179595 AV409989- CC179595 AV409989- CC185 AV409989- CC185 AV40998- AV4	RL :
70209 40428 70210 00666 60777 60777 85189 851 8995 103719	AG142221 CD344913 AQ544913 AA941913 BQ862057 BQ862057 BQ864023 BB663870 BB663870 BB663870 BB663870 CB648901 CG48901 CG48901 CG480560 CG480560 CG480560 CG480560 CG481750 CG481750 CG566401	19699 1989 1989 1989 1000 bp 101 bp 101 bp 102 can 103 and 104 seq 105 and 106 seq 107 and 108 seq 108 fer we 108 fer we 108 fer and 108 fer and 108 fer and 108 fer and	g@lifetech.c
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		sapien: sapien: SYA24 9 424 9 424 9 1:30622 1:30622 (human) (human) er.c., beria; beria; cope entra; cope entra; scope ent	,
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BX370118 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DI076YN22 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           /tissue type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR vites of the pCMVSPORT 6 vector. Library was normalized.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  124 ACTIGGGGCAAAGTIGGACTIGGACTAGCAGGCACCAIGCTICTGACGCCGACGIGTACT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGTTGTTTCTGCTGTAGAAAAAAAAAGAGATTTCGTATTCAATTTCAAAAGAAATCTGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    364 TCAGATGAACAAAAGACCACAGACACCGCTTCTCTCCCCCCAAATCCTGTGAATCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         484 CCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGT
                                                                                          Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 9106 EVRY cedex - France
Bmail: seqrefégenoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact : Feng Liang Email : fliangelifetech.com URL:
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODIO35AB01QP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         424 GATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCA
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  1 (bases 1 to 1201)
Li,W.B., Grubber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 42.6%; Score 498; DB 13; L Similarity 100.0%; Pred. No. 5.6e-236; BB; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                       /mol_type="mRNA"
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                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
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Matches 498; (
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LOCUS
DEFINITION
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/db_cref="taxon:9606"
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="Ist strand cDNA was primed with a NotI-oligo(dT)
primer: Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                              sites of the pCMVSPORT 6 vector. Library was normalized
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InVitroGen Corporation 1600 ID : CS0DI085BA12QP1.
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                                                                                                                                                                                                                                                                                                                                                                                  44.3%; Score 517; DB 13; Length 1201;
larity 99.8%; Pred. No. 2e-245;
Conservative 0; Mismatches 1; Indels 0
                    Faraday Avenue Genoscope Sequence
Location/Qualifiers
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http://fulllength.invitrogen.com/
                                                                                               organism="Homo sapiens"
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                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
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Best Local Simi
Matches 567;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ношо
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BX358190
LOCUS
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KEYWORDS
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Contact: Genoscope
Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
Genoscope - Centre National
BP 191 91006 ENRY cadax - France
Bmail: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
10299.f, and it belongs to a clone representative of this cluster.
For more information about this cluster and the virtual CDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSSAA017ZEOZEMI&cluster=10299.f. Contact :
Feng Liang Email: fliang@lifetech.com URL:
http://fullength.invitrogen.com/ Invitroden Corporation 1600
Faraday Avenue Genoscope sequence ID : CSSAA017ZEOZEMI.
                                                                                                                                                                                     EST 13-MAY-2003
                                                                                                                                                                                COT 25-NORMALIZED Homo sapiens CDNA
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                                                                                                                                                                                                                                                                                                                                       Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone="CSODIOBSYA24"
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/tissue type="PLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lib strand cDNA was primed with a NotI-oligo (dr)
primer. Five prime and enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             572 ccrecargearcrectraccrracercaagrrargeaagacrerrearreceagrer
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                                                                                                                                                                                                                                                                                                                                                                                                             1 (bases 1 to 941)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                            BX403420 mRNA 84703420 Homo sapiens PLACENTA COT 25-NORN CLORE SCEDIO85YA24 5-PRIME, mRNA sequence-BX403420
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              1145 GTCAGTAATACAACTGTAGTATAG 1168
                                                               534
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="mRNA"
/db_xref="taxon:9606"
                                                       511 Grcagranacaacreragraras
                                                                                                                                                                                                                                                                     BX403420.1 GI:30607302
                                                                                                                                                                                                                                                                                                                      Homo sapiens (human)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /tissue type="Figure 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo (dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and ECOR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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                                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90
                                                                                                                                                                                                                                                                             Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqrefégenoscope.nns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 2250.r For
Intp://www.genoscope.ns.fr/
cgi-bin/cluster.cgi?seq=CSOBAG037ZE05 CSO3493_2&cluster=2250.r.
contact : Feng Liang Email: fliang@lifetech.com URL:
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAG037ZE05_CSO3493_2.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31 ACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCAGGTTTAGGTTTTTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               151 TGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGCCGTTGTTGTTTCTGCTGTAGAAAAAAAGAGATTTCGTATTCAATTTCAAAAGAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             271 TCTGAAAAAGGGAGAAGAAAAGGAAACTGAGAAACAGAAAGGGAAATGAAAACTCCGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  665 ACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTTTTCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            725 TIGCCIACTIGGGGCAAAGIIGGACTIGGACTAGCAGGCACCAIGCTICTGACGCCGACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCAACTGCTGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         38.8%; Score 453; DB 13; Length 917; 99.8%; Pred. No. 1.3e-213;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                  1 (bases 1 to 917)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            organism="Homo sapiens"
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/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone="CS0DI076YN22"
                          GI:30447910
                                                                        sapiens (human)
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TCAACGICCAGCCAGGCCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 1140
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/db xref="taxon:8606"
/db xref="taxon:8606"
/dlone="lmAGE:477861"
/lab host="MAGE:47781"
/clone=lib="NCI CGAP Skn3"
/note="Organ: skin; Vector: pCMV-SPORT6; Site_1: Not1; Site_2: Sal1; Cloned unidirectionally. Primer: Oligo dT. Site_2: sal2 l. Skb. Library constructed by Life Technologies. Note: this is a NCI_CGAP Library."
272 CTGAAAAAGAGAAGAAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTCCGGCT 331
                                                                                                                                                                                                                                                                                                                              Chordata; Craniata; Vertebrata; Euteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov.b column: 06
High quality sequence stop: 725.
I.O.Cation/Qualifiers
I. 725
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                                                                                                                                                                                                                                                                                                                                                                                                                            Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.go.
Tissue Procurement: James Cleaver, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL)
                                                                                                                                                                                                                                                                                                                                                    Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                        NIH-WGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
                                          966 ACAATTCAGATGAACAAAGACCACAGA
                                                                                                                                                                                                                                                                                                                                                      Primates;
                                                                                                                                                                                                                                                      BG740428.1 GI:14051081
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1 (bases 1 to 725)
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                                                                                                                                                                                                                        mRNA sequence.
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Genoscope - Centre National de Sequencage
BP 191 91006 ENRY cedex - France
BP 191 91006 ENRY cedex - France
BRail: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Library was constructed belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0BAG039EB05 CS03685_1&cluster=10299.f.
Contact: Feng Liang Email: filiangalifetech.com WL.
http://fulllength.invirtogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOBAG039EB05_CS03685_1.
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BX370209 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0D1085YA24 5-PRIME, mRNA sequence.
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                              691
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1 (bases 1 to 970)

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

Unpublished (2001)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              32 CTGGAGGIGGIATIAATATTCCAGGIGIATIATATCAAGITIACCGAGITIAGGITITCAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  786 GTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCCGTTGTTGTTCTGCTGTAGAAGAAAAGAGGATTTCGTATTCAAATTTCAAAAAAAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          726 TGCCTACTTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCCGACGT
      Gaps
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100.0%; Pred. No. 1.8e-151;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'organism="Homo sapiens"
                                                                                                                                                                                                                                                                                    BX370209.1 GI:30451880
                                                                                                                                                                                                                                                                                                                        Homo sapiens (human)
Homo sapiens
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Matches 328;
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1 (Bases I to 216)

1 (Cases I to 216)

Cain,S., Leventhal,C., Thornton,M., Ramachandran,R., Mittington,J., Lerner,L., Costanzo,D., McElligott,K., Boozer,S., Whittington,J., Lerner,L., Rilka,H., Hess,J., Cothren,R., Lo,K., Offenbacher,J., Danzig,J., and Ducar,M.

Creation of genome-wide protein expression libraries using random activation of gene expression

Nat. Biotechnol. 19 (5), 440-445 (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1071 AGCGGGCTGATCAACGTCCACCCAGGCAAGTCATCCACAGGCTTCTTTAATCTGG 1130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1011 CCAPATICCTGTGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACC 1070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              81 AGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCCACCAGGCTTCTTTAATCTGG 140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AG069679 622 bp DNA linear GSS 03-NOV-200
Pan troglodytes DNA, clone: PTB-060F12.F, genomic survey sequence.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pan.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 CCAAATCCTGTGAATCCAGTGATCCTGAACAAGAAACAGTAGCTGTGGCCCTCCTCACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Fujiyama,A., Hattori,M., Toyoda,A., Taylor,T.D., Yada,T.,
Totoki,Y., Watanabe,H. and Sakaki,Y.
BAC end sequences of Library PTB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 (bases 1 to 622)
Fuliyama, A., Hattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
Totoki, Y., Watanabe, H. and Sakaki, Y.
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12.8%; Score 149; DB 12; Length 216; 100.0%; Pred. No. 1.3e-62; .ive 0; Mismatches 0; Indels (
                                                                                                                                                                                                                                                                                                              Athersys, Inc. 3201 carnegle Ave, Cleveland, OH 44115, USA 17E1: 216 431 9900 Fax: 216 361 9596 Email: scain@athersys.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1131 CCAGTCCTGAGAAGGTCAGTAATACAACT 1159
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCAGTCCTGAGAGGTCAGTAATACAACT 169
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                High quality sequence stop: 166.
Location/Qualifiers
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Pan troglodytes
                                                                                                                                                                                                                                                                                              Contact: Scott J. Cain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AG069679.1 GI:16621481
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AG069679
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BX370210 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
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                                                                                                                                                                                                                  Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo. Li, Wass 1 to 1148)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the pCMVSPORT 6 vector. Library was normalized."
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/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            http://www.genoscope.cns.fr/
cgi.bin/cluster.cgi?seq=CSOBAGG39ZE05_CS036B5_2&cluster=10299.f.
Contact. Feng Liang Email : filang@lifetech.com URL:
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSOBAGG39ZE05_CS036B5_2.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             658 CCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14 CCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        778 GCCGACGIGIACTCTIACAATACGCIGCIGCIGCIGCCGCCGICGIIGTIGTIGIGGCIGCAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     718 ITTITCATIGCCIACTIGGGGCAAAGTIGGACTIGGACTAGCAGGCACCAIGCTICIGAC
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Pred. No. 9.9e-101;
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                                                                                clone CSODIO85YAZ4 5-PRIME, mRNA seguence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
19.3%; Score 226; DB
Best Local Similarity 100.0%; Pred. No. 9.9
Matches 226; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DI085YA24"
                                                                                                                          BX370210.1 GI:30451881
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                                                                                                                                                                        sapiens (human)
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                                                                                                                                                                                               sapiens
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Homo sapiens
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Best Local Similarity
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BX318189 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CSODI035YC01 3-PRIME, mRNA sequence.
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/tissue type="PLACENTA COT 25-NORMALIZED"
/tissue Type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-eftrand cDNA was
digested with Not I and cloned into the Not I and SCOR V
sites of the porWosporI 6 vector. Library was normalized."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

1. (Dases 1 to 1201)

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                             472 GGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           532 TCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGT
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BP 191 91006 EVRY cedex - France
BP 191 91006 EVRY cedex - France
Bmail: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Feng Liang Email: fliang@alfetech.com WEL:
http://fulllength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSODI035AB01NP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                          /sex="male"
/cell_type="lymphoblast"
/clone_lib="PTB Chimpanzee Male BAC Library"
                                                                                                                                                                                                                                                                                                        Length 677;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
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100.0%; Pred. No. 4.8e-43;
:ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                        Query Match 12.5%; Score 146; DB 29; Best Local Similarity 100.0%; Pred. No. 5.3e-61; Matches 146; Conservative 0; Mismatches 0;
                                                                                             /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/clone="PTB-112N07.F"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          592 GGCTACCTGGAAGAGCCTGAAGGCCC 617
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /mol_type="mRNA"
/db_xref="taxon:9606"
                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BX358189.1 GI:30370198
    R.Site 1 : SacI
R.Site 2 : SacI
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Matches 110; Conservative
                                                                       1. .677
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JOURNAL
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Yotoki, Y., Mattori, M., Toyoda, A., Taylor, T.D., Yada, T.,
Totoki, Y., Watanabe, H. and Sakaki, Y.
Totoki, Y., Watanabe, H. and Sakaki, Y.
Totoki, Y., Watanabe, H. and Sakaki, Y.

Direct Submission
Submitted (02-AUG-2001) Asao Fujiyama, The Institute of Physical
and Chemical Research (RIKEN), Genomic Sciences Center (GSC);
1-7-2 Submitted (02-AUG-2001) Farsul, Tokohama, Kanagawa 230-0045, Japan
(E-mail:chimpbesgage.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/,
Tel:81-45-50-911, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC end
was generated during the R&D process and may have higher chance of
and Chemical Research (RIKEN), Genomic Sciences Center (GSC); 1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/, Tel:81-45-503-9111, Fax:81-445-503-9170)
Clones are derived from the chimpanizee BAC library PTB This BAC end was generated during the R&D process and may have higher chance of clone tracking errors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GSS 03-NOV-2001
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Pan troglodytes DNA, clone: PTB-112N07.F, genomic survey sequence.
AG107877
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  77 GGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCT 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pan.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fujiyama,A., Hattori,M., Toyoda,A., Taylor,T.D., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.
BAC end sequences of Library PTB
Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                        /sex="male"
/cell_type="lymphoblast"
/clone_lib="PTB Chimpanzee Male BAC Library"
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100.0%; Pred. No. 5.2e-61;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                          1. .622
/organism="pan troglodytes"
/mol_type="genomic DNA"
/db &rref="taxon:9598"
/clone="PTB-060F12.F"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGCTACCTGGAAGAGCCTGAAGGCCC 617
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                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                : pKS145
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                                                                                                                                                                                                 Sequencing: -21M13
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Les 146; Conservative
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R.Site 2
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N93995 2366609.rl Soares fetal lung NbHL19W Homo sapiens cDNA clone IMAGE:297545 5', mRNA sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares fetal heart NbHH19W."
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Email: est@watson.wustl.edu
This clone is available royalty-free through LLML; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1069 CCAGCGGGCTGATCAACGTCCACCCAGGCAAGTCATCCACAGGCTTCTTTAATCT
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Hilliar,L. Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="mRNA"
/db_xref="GDB:1242467"
/db_xref="taxon:9606"
/clone="IMAGE:297545"
/dev_stage="19 weeks"
/lab_host="DH10B (ampicillin resistant)"
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100.0%; Pred. No. 3.2e-38;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence stop: 159.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                          The WashU-Merck EST Project
                                                                                                                                                         N93995.1 GI:1266304
                                                                                                                                                                                                    Homo sapiens (human)
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                                                                                                                                                                                                                         Homo sapiens
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AQ403719/c
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                                                                                            DEFINITION
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JOURNAL
                                RESULT 13
                                                                                                                                   ACCESSION
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                                                                                                                                                                                                                                    EST 14-FEB-1996
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                                                                                                                                                                                                                                  N47851
Yw95h05.rl Soares placenta 8to9weeks 2NbHP8to9W Homo sapiens cDNA clone IMAGE:260025 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                           Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
Hillier, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Holman, M., Hultmar, M., Kucaba, T., Le, M., Lennon, G., Marra, M., Parsons, J., Rifkin, L., Rohlfing, T., Soares, M., Tan, F., Trevaskis, E., Waterston, R., Williamson, A., Wohldmann, P. and
                         This clone is available royalty-free through LLNL, contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Gaps
                                                                                    CTITIAATCIGGCCAGICCIGAGAAGGICAGIAATACAACIGIAGIATAG 1168
                                                                                                             751 CITITAATCIGGCCAGICCIGAGAAGGICAGIAATACAACIGIAGIAIAG 702
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8.6%; Score 100; DB 14; Length 185;
.larity 100.0%; Pred. No. 3e-38;
.Conservative 0; Mismatches 0; Indels (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           organism="Homo sapiens"
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High quality sequence stop: 150.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="mRNA"
/db_xref="GDB:3889731"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The WashU-Merck EST Project
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: est@watson.wustl.edu
                                                                                                                                                                                                                                                                                        N47851
N47851.1 GI:1189017
                                                                                                                                                                                                                                                                                                                                                      Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished (1995)
Contact: Wilson RK
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DRIGIN

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us-09-729-264-3.olig.rst

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/dev_stage="newborn infant"

/dev_stage="newborn infant"

/lab host="E. col; SOLR"

/clone lib="Kaze MMFD2"

/note="Organ: placenta; Vector: Uni-ZAP XR; Site_1: EcoR

/i Site_2: Xho I; Created from Stratagene ZAP-cDNA

Synthesis kit (catalog #200400) and ZAP-CDNA Gigapack III

cold cloning kit (Catalog #200450)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             285 AGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCTG 344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (bases 1 to 976)

Katze, M.G., Thomas, M., Korth, M., Iadonato, S.P. and Magness, C.L.

Large-scale Rhesus Macaque cDNA Sequencing
Unpublished (2003)

Contact: C. Magness

Illumigen Biosciences Inc.
2203 Afroott Way S, Suite 450, Seattle, WA 98134, USA

Tel: 2063780400

Fax: 2063780408
                                                                                                                                                                                                                                       bases. Assembles in contig w/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5.4%; Score 63; DB 14; Length 976;
100.0%; Pred. No. 1.1e-19;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                   lib members
                                                                                                                                                                                                                                                                                                          FORWARD: CCCTCACTAAAGGGAACAAAA
BACKWARD: CACTATAGGGCGAATTCGGTA
Insert Length: 976 Std Error: 0.00
Plate: CL000009 row: C column: 07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Macaca mulatta"
/mol_type="mRNA"
/strain="Indian"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Search completed: September 15, 2004, 06:43:44 Job time : 3427.42 secs
                                                                                                                                                                                                                         Email: cmagness@illumigen.com
Sequenced on 2003.10.16. 695 Q20 b
member(s). Contig contains 1 (0%)
                                                                                                                                                                                                                                                                                                                                                                                                       Seg primer: CCCTCACTAAAGGGAACAAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /db xref="taxon:9544"
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Cercopithecinae, Macaca.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
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Best Local 9
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                     Contact: Mahairas GG, Wallace JC, Hood L

High Throughput Sequencing Center

High Throughput Sequencing Center

University of Mashington

401 Queen Anne Avenue North, Seattle, WA 98109, USA

Tel: (206) 616-3887

Email: jwallace@u.washington.edu

Clones are derived from the human BAC library RPCI-11. For BAC

Library availability, please contact Pieter de Jong

(pieter@dejong) med Jubffalo.edu). Clones may be purchased from

BACPAC Resources (http://bacpac.med.buffalo.edu/ordering_bac.htm)

or from Resear h Genetics (info@resgen.com). BAC end Web Server:

http://www.htsc.washington.edu

Seq primer: T?
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /clone lib="RPCI-11 Human Male BAC Library"
/note="Vector: pBACe3.6; Site_1: EcoRI; Site_2: EcoRI;
Male blood DNA was isolated from one randomly chosen donor
and partially digested with a combination of EcoRI and
EcoRI Methylase. Size selected DNA was cloned into the
pBACe3.6 vector at EcoRI sites"
                                                                                                                  Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 525)
Mahairas, G.G., Wallace, J.C., Smith, K., Swartzell, S., Holzman, T.,
Keller, A., Shaker, R., Furlong, J., Young, J., Zhao, S., Adams, M.D. and
Hood, L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ô
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Macaca mulatta
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Cercopithecidae;
                                                                                                                                                                                                                                                   Sequence-tagged connectors: A sequence approach to mapping and scanning the human genome Proc. Natl. Acad. Sci. U.S.A. 96 (17), 9739-9744 (1999)
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100.0%; Pred. No. 3.2e-26;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="genomic_DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            287 TACAACTGTAGTATAG 272
                                 GI:4414499
                                                                            Homo sapiens (human)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.
Matches 76; Conservative
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                                                                                                    Homo sapiens
                               AQ403719.1
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Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Inibrary was constructed by Life Technologies, a division of
Inibrary was constructed by Life Technologies, a division of
Inibrary and this sequence belongs to sequence cluster. For more
Information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CS0DI085BA12QPI&cluster=10299.f. Contact :
Feng Liang Email : fliang@lifetech.com URL :
                                                                                                                                                                                                                                                                                                                                   L201 bp mRNA linear EST 13-MAY-200. BX399881 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA CS0899881
                                                                                                                                                                                                                                                                                                                                                                                              Bukaryota, Metazoa, Chordata, Craniata; Vertebrata, Euteleostomi, Mammalia; Butheria, Primates; Catarrhini, Hominidae, Homo.
1 (Dases 1 to 1201)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                        ALIGNMENTS
                                                                                       BE032610
AG14221
AG14221
CD344913
CE729707
AQ541776
CC58638
AB082057
AA941851
                           AG069679
AG107877
BX358189
N47851
N93995
BX396896
        BX370210
BG740428
                                                                     AQ403719
CK230652
CK230612
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AZ411779
BQ864023
BB663870
BH020641
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CB648901
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BF784177
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CG480560
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Homo sapiens (human)
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Homo sapiens
BX399881
LOCUS
DEFINITION
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                                            9 ; Search time 3637.63 Seconds (without alignments) 10179.449 Million cell updates/sec
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BX370118 BX370118
BX358190 BX358190
BX403420 BX403420
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Compugen Ltd.
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   GenCore version
Copyright (c) 1993 - 2004
                                           September 14, 2004, 22:59:39
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                               sw model
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                                                                                                                     27513289 segs, 14931090276
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BX370118
BX358190
BX403420
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Gapop_60.0 , Gapext 60.0
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                             nucleic search, using
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em_gss_pro:*
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em_gss_vrl:*
gb_gssl:*
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em gss vrt: *
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Maximum DB seq length: 200000000
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EST 13-MAY-2003

BX370210 BX370210 BC740428 602633817 BG20666 RST26117 AG069679 Pan trog1 BX358189 BX358189 NA7851 WW55h05.r1 N939895 Za66609.r1 BX396896 BX396896 AQ403719 HX 5049 A CX230652 ILLUMIGEN CX230652 ILLUMIGEN EX230612 ILLUMIGEN BX396897 BX396897 CX230652 ILLUMIGEN BC32610 13203 MA AG14221 Pan trog1 BX396897 BX396897 CX2306207 LIGT-GSS CX2306207 tigr-GSS AG14221 Pan trog1 BX396897 BX396897 CX2306207 tigr-GSS AG14221 Pan trog1 BX396897 BX396897 BX396898 CH240_387 AB082057 Drosophil AA941851 LD27161.5 BQ641770 EGC21D13. AZ411779 1M0185804 BB663870 BB663870 BH020641 L8612a.d AQ316148 RPCII1-10 CB64468 602796941 BF784177 602108039 BX342183 CH240_213 AK086973 MUS MUS CG478280 OSTT3686 BQ134412 109101640 CG480560 OSTT2533 CG478290 OSTT38864 CG481750 OSTT3899

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CGTCCACCCAGCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAG 1216
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Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
BEmail: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 2250.r For
more information about this cluster, see
more information about this cluster, see
Contact: Fengliang finalities.fr
Contact: Fengliang Email: fliang@lifetech.com URL:
http://fullength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOBAG037ZE05_CSO3493_2.
                                       Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 917)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /tissue type="PLACENTA COT 25-NORMALIZED"
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a Not!-oligo(dT)
primer: Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized.
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                                                                                                                                  Li W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization Unpublished (2001)
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100.0%; Pred. No. 9.1e-240;
:ive 0; Mismatches 0;
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/note="ist strand cDNA was primed with a NotI-oligo (dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR V
sites of the pCMVSPORT 6 vector. Library was normalized."
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         InVitroGen Corporation 1600 ID : CS0DI085BA12QP1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BX370118 BX370118 Homo sapiens PLACENTA COT 25-NORM clone CS0D1076YN22 5-PRIME, mRNA sequence:
BX370118 GI:30447910
EST.
                                       Faraday Avenue Genoscope sequence
Location/Qualifiers
1..1201
                  http://fulllength.invitrogen.com/
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Genoscope - Centre National de Sequencage
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Email: sequefégeinoscope.cns.fr, Web: www.genoscope.cns.fr
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence
10299.f. and it belongs to a clone representative of this cluster.
For more information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=CSSAA017ZEORMI&cluster=10299.f. Contact :
Fng Liang Email : fliangelifetech.com URL :
Fng Liang Email : fliangelifetech.com URL :
http://fullength.invitrogen.com/ InVitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSSAA017ZEOZRMI.
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BX403420 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA CLORE CS0DI085YA24 5-PRIME, mRNA sequence.
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/note="lib="Homo sapiens PLACENTA COT 25-NORMALIZED"

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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
CCCAGGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGT
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100.0%; Pred. No. 2.5e-209;
tive 0; Mismatches 0;
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/clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
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Li, Wasses 1 to 1201)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Contact: Genoscope
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Enail: sequef@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f
Contact : From Liang Enail : fliangelifetech.com WEL :
http://fullength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODI035AB010P1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  743 GGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTT
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Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Invitrogen. This sequence belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BX370210 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CS0DI085YA24 5-PRIME, mRNA sequence.
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1 (bases 1 to 1148)
1 i.W.B., Gruber, C., Jessee, J. and Polayes, D.
1 i.M.B., Gruber, C., Usessee, J. and normalization
Unpublished (2001)
152 GTACTCTTACAATACGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCT 211
                                                                                                                                                      271
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cgi-bin/cluster.cgi?seq=CS0BAG039ZE05_CS03685_2&cluster=10299.f.
Contact: Feng Liang Email: fliang@lifetech.com URL
http://fulllength.invitrogen.com/ invitroden Corporation 1600
Faraday Avenue Genoscope sequence ID: CSOBAG039ZE05_CS03685_2.
Location/Qualifiers
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                                                                           GCCGTTGTTCTGCTGTAGAAGAAGAGGATTTCGTATTCAATTTCAAAAGAAAT
                                                                                                                                              212 GCCGTTGTTGTTTCTGCTGTAGAAGAAGAGGATTTCGTATTCAATTTCAAAAT
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100.0%; Pred. No. 4.6e-101;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
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Email: sequef@genoscope.cns.fr.
Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Library was constructed by Life Technologies, a division of
Library was constructed by Life Technologies, a division of
Linvitrogen. This sequence belongs to sequence cluster 10299.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual cDNA, see
http://www.genoscope.cns.fr/
cgi-bin/cluster.cgi?seq=cSoBAGG39EDS CSO3685 L&cluster=10299.f.
Contact: Feng Liang Email: fliang@lifetech.com URL:
Contact: Feng Liang Email: fliang@lifetech.com URL:
Location/Qualifiers
Location/Qualifiers
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BX370209 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CSODI085YA24 5-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                        536
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
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Homo sapiens
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                                                                                                             602633817F1 NCI_CGAP_Skn3 Homo sapiens cDNA clone IMAGE:4778789 5', mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mol_type="mixm."
/mol_type="mixm."
/db xref="taxon:9806"
/db xref="taxon:9806"
/lab host="MAGE:477989"
/clone lib="NCI CGAP Skn3"
/note="Organ: Skin" Vector: pCMV-SPORT6; Site 1: NotI;
Site 2: Sal; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 1.5kb. Library constructed by Life
Technologies. Note: this is a NCI_CGAP Library."
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 725)
                                                                                                                                                                                                                                                                                                                                                  Email: cgapber-gemail.nih.gov
Tissue Procurement: James Cleaver, M.D.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) DNA
Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
thtp://image.llnl.gov.b column: 06
High quality sequence stop: 725.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1033 CGGCTACAATTCAGATGAACAAAAGACCACAGAAACCGGTTCTCTCCTCCCGCAAATCCTG
                                                                                                                                                                                                                                                                                       NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
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                   17.4%; Score 216; DB 12; Length 725; Conservative 0; Mismatches 1; Indels
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Dikaryotta; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases I to 216)

Harrington,J.J., Sherf,B., Rundlett,S., Jackson,P.D., Perry,R.,
Cain,S., Leventhal,C., Thornton,M., Ramachandran,R.,
Whithington,J., Lerner,L., Costanzo,D., McElligott,K., Boozer,S.,
Mays,R., Smith,E., Veloso,N., Klika,A., Hess,J., Cothren,K., Lo,K.,
Creation of genome-wide protein expression libraries using random
activation of gene expression

Nat. Biotechnol. 19 (5), 440-445 (2001)
BG206666
RST26117 Athersys RAGE Library Homo sapiens cDNA, mRNA sequence.
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Pan troglodytes DNA, clone: PTB-060F12.F, genomic survey sequence.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
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Pred. No. 8.1e-63;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Athersys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115,
Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
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100.0%; Pred. No. c.
... 0; Mismatches
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/organism="Homo sapiens"
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Location/Qualifiers
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Pan troglodytes
                                                                                                                                        BG206666.1 GI:13728353
EST.
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Best Local Similarity 100.
Matches 149; Conservative
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AUTHORS
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EST 05-MAY-2003
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EX358189 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA
clone CSODI035YC01 3-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TCAAAGTGCAGGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGT 663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1201)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length cDNA libraries and normalization Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism="Homo sapiens"
/mol type="mRNA"
/db_xref="taxon:9606"
/db_zref="taxon:9606"
/clone="CSONO139YC01"
/tissue type="FLACENTA COT 25-NORMALIZED"
/clone lib="Homo sapiens PlaCENTA COT 25-NORMALIZED"
/note="lst strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
Tel:81-45-503-9111, Fax:81-45-503-9170)
Clones are derived from the chimpanzee BAC library PTB This BAC was generated during the R&D process and may have higher chance clone tracking errors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Bmail: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Library was constructed by Life Technologies, a division of
Linvitrogen. This sequence belongs to sequence cluster 10299.f
Contact: Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
Faraday Avenue Genoscope sequence ID : CSODIO35AB01NP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            544 GGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCT
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0
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/clone_lib="PTB Chimpanzee Male BAC Library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 677;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                             11.8%; Score 146; DB 29;
100.0%; Pred. No. 3.3e-61;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                /organism="Pan troglodytes"
/mol type="genomic DNA"
/db_xref="taxon:9598"
/clone="PTB-112N07.F"
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                                                                                                                                                           Vector : pKS145
R.Site 1 : SacI
R.Site 2 : SacI.
                                                                                                                     Sequencing: -21M13
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                                                                                                                                                                                                                                                                                                                                                               /sex="male"
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BX358189/c
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Direct Submission
Submitted (0.2-MG-2001) Asao Fujiyama, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC), 1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (E-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/,
                                                                                                                                                                    Submitted (Q2-AUG-2001) Asao Fujiyama, The Institute of Physical Submitted (C2-AUG-2001), Genomic Sciences Center (GSC); and Chemical Research (RIKEN), Genomic Sciences Center (GSC); 1-7-22 Suehiro-chou, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Japan (B-mail:chimpbes@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/, Tel:s81-45-503-9170, Fax:81-45-503-9170, Golones are derived from the chimpanzee BAC library PTB This BAC end was generated during the R&D process and may have higher chance of clone tracking errors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    196
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Pan troglodytes DNA, clone: PTB-112N07.F, genomic survey sequence.
AG107877
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
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Totoki,Y., Watanabe,H. and Sakaki,Y.
BAC end sequences of Library PTB
                                                                                                       Fujiyama,A., Hattori,M., Toyoda,A., Taylor,T.D., Yada,T.,
Totoki,Y., Watanabe,H. and Sakaki,Y.
Direct Submission
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/cell_type="lymphoblast"
/clone_lib="PTB Chimpanzee Male BAC Library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/clone="PTB-060F12.F"
                        lotoki,Y., Watanabe,H. and Sakaki,Y.
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                                                   BAC end sequences of Library PTB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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R.Site 2 : SacI
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                                                                          Unpublished
2 (bases 1 to 622)
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                                                                                                                                                                                                                                                                                              za66f09.rl Soares_fetal_lung_NbHL19W Homo sapiens cDNA clone
IMARSE:297545 5', mRNA sequence.
              1141 CCAGCGGGCTGATCAACGTCCACCCAGGCAAGTCATCCACAGGCTTCTTTAATCT 1200
                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: est@watson.wustl.edu
This clone is available royalty-free through LLNL ; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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.00.0%; Pred. No. 2.3e-38;
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/organism="Homo sapiens"
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Location/Qualifiers
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/db_xref="GDB:1242467"
/db_xref="taxon:9606"
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                                                                                                                                                                                                          N47851
yw95h05.rl Soares placenta 8to9weeks 2NbHPBto9W Homo sapiens cDNA
clone IMAGE:260025 5', mRNA sequence.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
will...
will...
waterston,R., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                             811 GCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCCAGGCAAGTCATCACAGGCTT
                                                                                                                                                                     Gaps
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4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
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100.0%; Pred. No. 3.5e-43;
iive 0; Mismatches 0;
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High quality sequence stop: 150.
Location/Qualifiers
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/db_xref="GDB:3889731"
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/clone="IMAGE:260025"
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The WashU-Merck EST Project Unpublished (1995)
Contact: Wilson RK
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Homo sapiens (human)
                                                                                                                                                       Matches 110; Conservative
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Matches 100; Conserv
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AUTHORS
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AQ403719 1525 bp DNA linear GSS 13-MAR-1999 HS 5049 Al_C11_T7A RPCI-11 Human Male BAC Library Homo sapiens genomic_clone Plate=625 Col=21 Row=E, genomic survey sequence.
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                                                                                                                   BX396896 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens CDNA clone CSODI026YO17 3-PRIME, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /tissue type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/clone_list strand cDNA was primed with a NotI-oligo(dT)
primer. Five prime end enriched, double-strand cDNA was
digested with Not I and cloned into the Not I and EcoR v
sites of the pCMVSPORT 6 vector. Library was normalized."
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 525)
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1 (bases 1 to 1201)

11, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Genoscope
Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
Bmail: seqreé@genoscope.cns.fr, Web : www.genoscope.cns.fr
Library was constructed by Life Technologies, a division of
Linvitrogen. This sequence belongs to sequence cluster 10298.f, and
it belongs to a clone representative of this cluster. For more
information about this cluster and the virtual CDNA, see
http://www.genoscope.cns.fr/
phttp://www.genoscope.cns.fr/
Genj-bin/cluster.cgi?seq=CSODIO26AH09NPl&cluster=10298.f. Contact
Feng Liang Email: fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ InvitroGen Corporation 1600
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173 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Homo sapiens"
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/db_xref="taxon:9606"
/clone="CS0DI026Y017"
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GSS.
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High Throughput Sequencing Center
University of Mashington
401 Queen Anne Avenue North, Seattle, WA 98109, USA
401 Queen Anne Avenue North, Seattle, WA 98109, USA
Tel: (206) 616-3687
Email: jwallace@u.washington.edu
Email: jwallace@u.washington.edu
Clones are derived from the human BAC library RPCI-11. For BAC
Clones are derived from the human BAC library RPCI-11. For BAC
Library availability, please contact pieter de Jong
(pieter@dejong) med.buffalo.edu) Clones may be purchased from
BACPAC Resources (http://bacpac.med.buffalo.edu/ordering_bac.htm)
or from Resear h Genetics (info@resgen.com). BAC end Web Server:
http://www.htcc.washington.edu
plate: 625 row: E column: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /clone lib="RPCI-11 Human Male BAC Library"
/note="Vector: pBACe3.6; Site_1: EcoRI; Site_2: EcoRI;
Male blood DNA was isolated from one randomly chosen donor and partially digested with a combination of EcoRI and ECORI Methylase. Size selected DNA was cloned into the pBACe3.6 vector at EcoRI sites"
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Keller, A., Shaker, R., Furlong, J., Young, J., Zhao, S., Adams, M.D. and
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                                                                      scanning the human genome
Proc. Natl. Acad. Sci. U.S.A. 96 (17), 9739-9744 (1999)
99380589
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/db_xref="taxon:9606"
/clone="plate=625 Col=21 Row=E"
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                                                                                                                                                                                                  Contact: Mahairas GG, Wallace JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Homo sapiens"
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Matches 76; Conserva
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September 14, 2004, 20:48:25; Search time 4828.88 Seconds (without alignments) 10546.560 Million cell updates/sec
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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Pred. No. is the number of results predicted by chance to have a

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		from Pater		GI:195753		s (human)	ß	Metazoa; C	utheria; P		., Sarmien	ecules and	0200710-A
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AX380396	LOCUS	DEFINITION	ă	VERSION	KEYWORDS	SOURCE	ORGANISM			REFERENCE	AUTHORS	TITLE	JOURNAL

ALIGNMENTS

RESULT 1

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PAT 20-JUN-2003
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Submitted (04-JUL-2002) Takao Isogai, FLJ Project (HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; CDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan KRY Technology Center etc.); 5-6 a 3-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB.
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/clone_lib="pLACE6"
/note="cloning_vector: pME18SFL3"
                                                                    oligo capping; fis (full insert sequence)
Homo sapiens (human)
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 1076; DB 9;
Pred. No. 0;
0; Mismatches 1;
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/db_xref="taxon:9606"
/clone="PLACE6017788"
                                                                                                                                                                                      Chordata;
                                                                                                                                                                                                                     Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
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                                  GI:21751130
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Matches 1126; Conservative
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ARNUYZ516

2051 bp mRNA linear PRI 15-JUL-2002 Homo sapiens cDNA FLJ35197 fis, clone PLACE6017788, highly similar to IGSF5.

RESULT 3 AK092516 LOCUS DEFINITION

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ilarity 99.9%;
Conservative (
                                                                                                                                              Query Match
Best Local Similarity
Matches 1124; Conserv
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B7-like molecules and uses thereof
Patent: WO 0200710-A 5 03-JAN-2002,
Amgen, Inc. (US)
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Qy 891 CGTATTCAATTTCAAAAAAAAAAAAAAAAAAAAAAAAAA	QY 1071 CCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTT 1130 Db 1136 CCTCACCAGCGGGCTGATCAACGTCCAGGCCAGCCAGCCA	pp DNA linear PAT 1 10. Craniata: Vertebrata: Evec	Mammalia; Eutheria; Primates; Catarrhin; Hominidae; Homo. AUTHORS Welcher, A.A., Sarmiento, U.M., Schultz, H.J. and Chute, H.T. TITLE B7-like molecules and uses thereof JOURNAL Patent: WO 0200710-A 3 03-JAN-2002; FEATURES Location/Qualifiers source lorganism="Homo sapiens" /mol_type="unassigned DNA"	CDS / (db_xref="taxon:9606"	Query Match 87.4%; Score 1027; DB 6; Length 1168; Best Local Similarity 99.9%; Pred. No. 0; 1 Indels 0; Gaps 0; QY 98 AGTCCTGAAGGGCTCCCTAGACTGCTCCTCCTCCAGGGCTGGAAGCTCAT 150 1 2 1 2 1 1 1

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Taudien,S., Dagand,E., Hildmann,T., Nordsiek,G., Drescher,B., Schattevoy,R., Weber,J., Schilling,M., Menzel,U., Yaspo,M.L. and
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Submitted (21-747-1999) Genome Analysis, Institute for Molecular
Biotechnology, Beutembergstrasse 11, Jena 07745, Germany
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             Welcher,A.A., Sarmiento,U.M., Schultz,H.J. and Chute,H.T.
B7-like molecules and uses thereof
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* GBF, Dept. of Genome Analysis,
* Mascheroder Weg 1, D-38124 Braunschweig, Germany, * e.mail:
info.genome@gbf.de
* URL: http://genome.gbf.de/
                                                                                                * Max-Planck Institute for Molecular Genetics,
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                                                                                                              * Ihnestrasse 73, D-14195 Berlin, Germany,
* e.mail: info-chr21@molgen.mpg.de
* URL: http://chr21.rz-berlin.mpg.de/.
Location/Qualifiers
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The Chromosome 21 Mapping and Sequencing Consortium consists of * RIKEN Genomic Sciences Center, Human Genome Research Group, *
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRI 24-MAY-2000
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                                                                                                                                                                                                                                                                                                         608 GAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTGTCCCCA 667
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                                                                                                                                                                                                                                   AGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTGGCTACCTG 607
                                                                                   TGAAGTTACTTGTCTACCCTCACACTGGACCCGGCTCCCGGATATTTCCTGGGAGCTCGG 487
                 AGTTATGGGAGAGCTGTTCATTCCCAGTGTTAATCTTGTAGTCGCTGAGAATGAACCTTG 427
                                                                                                                                                             488 TCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTTCAAAGTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       * Institute of Molecular Biotechnology, Genome Analysis, *
Beutenbergstrasse 11, D-07745 Jena, Germany,
* e.mail: gscj-submit@genome.imb-jena.de
* URL: http://genome.imb-jena.de/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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Homo sapiens chromosome 21 segment H321C080.
AL163280.2 GI:7717369
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* e.mail: shimizu@dmb-med.keio.ac.jp
* URL: http://adenine.dmb.med.keio.ac.jp/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sagamihara 228-8555, Japan,
* e.mail: sakaki@gsc.riken.go.jp
* URL: http://hgp.gsc.riken.go.jp/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens (human)
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Scharfe,M., Berg,C., Conrad,A., Hornischer,K., Loehnert,T.H.,
Ludewig,M., Thies,S., Weber,K. and Bloecker,H.
Direct Submission
Submitted (03-UN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg I, D-38124 Braunschweig, Germany, E-mail: info.genome@gbf.de
The Chimpanzee Chromosome 22 Sequencing Consortium consists of :
Shanghai, China
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CH179K04 182532 bp DNA linear PRI 16-OCT-200 Pan troglodytes chromosome 22 BAC CH251-179K04, complete sequence.
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Catarrhini, Hominidae, Pan.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ---- Summary Statistics
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Center clone name: CH251-179K04
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Eukaryota; Metazoa; Chordata;
Mammalia; Butheria; Primates;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Center: GBF, Braunschweig
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complement(8865, .8964)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            rpt_family="LTR/MaLR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rpt_family="SINE/Alu"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /rpt_family="SINE/Alu"
/rpt_type=DISPERSED
11702. .11753
/note="MIR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /rpt_family="LINE/L2"
/rpt_type=DISPERSED
9131. .9424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /rpt_family="SINE/MIR"
/rpt_type=DISPERSED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    rpt_family="LINE/L2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /rpt_type=DisperseD
10980..11000
/note="(TTTA)n"
note=" (TCCA) n"
                                                                        gene="SH3BGR"
                                                                                                                                                                                                                                                                                                                                     3473. .3565
/gene="SH3BGR"
                                                                                                                                                                                                                                                                                                                                                                                          5542. .5829
/note="AluSx"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               note="AluJo"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          note="L1MD3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          note="L2"
                                                                                                                                                                                                                                                                                                                                                                          'number=4
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                                                                                       mRNA
                                                      gene
                                                                                                                            CDS
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The PTB1 chimpanzee BAC library was prepared from DNA isolated from cultured cells established from the blood of a single male
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     480 GAGCICGGICICCIGGICAGCCAITCAAGCIATIAITTIGIICCGGAGCCCAGCGACCII 539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                540 CAAAGIGCAGIGAGCAICCTGGCICIGACCCACAGAGCAAIGGGACTIIGACTIGCGIG 599
                        Fax:81-55-981-6789)
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
*Chinese National Human Genome Center at Shanghai, Shanghai, China;
*Chinese National Human Genome Center at Shanghai, Shanghai, China;
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute
of Molecular Biotechnology, Jena, Germany; *KRIBB Genome Research
                                                                                                                                                                                                                                                                                                                                                                         This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This entry has been annotated with sequence estimates computed by the Phrap assembly program.

All manually edited bases have been reduced to quality zero.

Quality levels above 40 are expected to have less than 1 error in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                              Center, Daejeon, Korea:
*Max-Planck-Institute for Molecular Genetics, Berlin, Germany;
*National Institute of Genetics, Mishima, Japan;
*National Institute of Genetics, Geneme Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Neighboring clones: CH251-179K04(left) and PTB-103H04(right)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         an attempt was made to resolve all sequencing problems, such compressions and repeats; all regions were covered by at one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Clones may be obtained from Asao Fujiyama and co-workers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 156288;
JRL:http://sayer.lab.nig.ac.jp/, Tel:81-55-981-6790,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 156,231 bases at least Q40
156,288 bases at least Q30
156,288 bases at least Q20
                                                                                                                                                                                                                                                            *RIKEN Genomic Sciences Center, Yokohama, Japan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 145; DB 9; I
Pred. No. 2.3e-73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /clone="PTB-060F12"
/clone_lib="PTB1 chimpanzee BAC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   subclone or more than one M13 subclone;
                                                                                                                                                                                                                                                               Center: National Institute of Genetics Center code: NIG
                                                                                                                                                                                                                                                                                                                                                          Web site: http://sayer.lab.nig.ac.jp/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xref="taxon:9598"
/chromosome="22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (http://www.gsc.riken.go.jp).
VECTOR: pKS145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
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100.0%; Pre
0; }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Source information:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Consensus quality:
Consensus quality:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Consensus quality:
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Matches
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                                                      COMMENT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAACTG 639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (15-MAY-2003) Naruya Saitou, National Institute of Genetics (NIG), Division of Population Genetics; 1111 Yata, Mishima, Shizuoka 411-8540, Japan (E-mail:nsaitou@genes.nig.ac.jp,
                                                                                                                                                                                                                                                                                                                                                                    + Analysis and annotation were performed with the automatic + first-pass' annotation and submission tool + 'first-pass' annotation and submission tool + 'AnnoMitter' (Hornischer & Bloecker).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BS000162 156288 bp DNA linear PRI 07-OCT-20
Pan troglodytes chromosome 22 clone:PTB-060F12, map 22, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="assembly_fragment.clone_end:T7.vector_side:left
assembly_fragment.clone_end:SP6.vector_side:right"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        460 GGCTCCCGGATATTTCCTGGGAGCTCGGTCTGGTCAGCCATTCAAGCTATTATTTTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Saitou, N., Kim, C., Kitano, T., Oota, S., Shimada, M., Kryukov, K., Tomiki, T. and Kohara, Y.
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The Chimpanzee Chromosome 22 Sequencing Consortium. DNA sequence of chimpanzee chromosome 22 and its evolutionary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0;
                                                             Assembly program: ##

Consensus quality: 0 bases at least Q40

Consensus quality: 0 bases at least Q30

Consensus quality: 0 bases at least Q20

Estimated insert size: ##; agarose-fp estimation

Estimated insert size: 182532; sum-of-contigs estimation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 182532;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                 Dye-terminator-amersham: ##% of reads
                                                                                                                                                                                                                                                                                                                                              Programs used by 'AnnoMitter':
                                       Chemistry: Dye-primer-amersham: ##% of reads
                                                                                                                                                                                                                          PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17.0%; Score 200; DB 9; Le
100.0%; Pred. No. 5.4e-106;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Pan troglodytes"
/mol type="qenomic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="genomic_DNI
/db_xref="taxon:9598"
/chromosome="22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="CH251-179K04"
                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
1. .182532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18064 TAAATCTCACTGTGATTCGG 18083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pan troglodytes (chimpanzee)
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Matches 200; Conservative
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VERSION
KEYWORDS
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JOURNAL
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AUTHORS
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score = 28, counts = 3"
                                                                                                                                                                                                                                                                                                             /note="homology = 81.70%, score = 28, count;
/evidence=not experimental
/rpt_type=tandem
/rpt_unit="agtatctattctgattgggcagtgctcatac"
complement(20371. .20556)
/evidence=not experimental
/rpt_fanily="WBR3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /evidence_not_experimental
/rpt_family="WER39b"
complement(22893. 23201)
/evidence=not_experimental
/rpt_family="I1PA2"
23202. 23471
/rpt_family="WER39b"
2423. 24454
/evidence=not_experimental
/rpt_family="WER39b"
/evidence=not_experimental
/rpt_family="WER39b"
/evidence=not_experimental
/rpt_family="WSTB-internal"
/evidence=not_experimental
                                                                             / rp__aunly=_Ls__insly|
/ evidence=not_experimental / rpt_family=_AluSx"

/ rpt_family=_AluSx"

/ complement(13823. .14116) / evidence=not_experimental / rpt_family=_AluJow;

/ rpt_family=_AluJow;

/ rpt_family=_RluJow;

/ rpt_family=_WRRSA"

/ rpt_family=_WRRSA"

/ rpt_family=_WRRSA"

/ rpt_family=_WRRSA"

/ rpt_family=_WRRSA"

/ rpt_family=_WRRSA"

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/ rpt_family=_WRRSA"

/ rpt_family=_WRRSA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /evidence=not experimental
/rpt family="MIR"
/complement(28932.29335)
/evidence=not experimental
/rpt family="MGTA"
/complement(29462.30001)
/evidence=not experimental
/rpt family="MRR34"
/rpt family="MRR34"
/rpt family="MRR34"
/rpt family="MLT1B"
/rpt family="MLT1B"
/rpt family="MLT1B"
/rpt family="MLT1B"
/rpt family="MLT1B"
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complement (15434 . 25767)
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Homo sapiens BAC derived from chromosome 21q22.3, complete
sequence, containing PEP19 (PCP4) gene.
61 CAAAGIGCAGIGAGCAICCIGGCICIGACCCCACAGAGCAAIGGGACITIGACIIGCGIG 120
                                                                                                                                                                                                                                                                              Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 199665)
Taudien, S., Nordsiek, G., Korenberg, J., Drescher, B., Weber, J., Schattevoy, R. and Rosenthal, A.
Direct Submission
Submitted (11-MAY-1998) Genome Analysis, Institute for Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany
Location, Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1459...1818

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/ evidence=not_experimental
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complement(1. .383)

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AF064857.1 GI:3171149
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Chases 1 to 192219)
Scharfe,M., Berg,C., Conrad,A., Hornischer,K., Loehnert,T.H.,
Ludewig,M., Thies,S., Weber,K. and Blocker,H.
Ludewig,M., Thies,S., Weber,K. and Blocker,H.
Direct Submission
Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, B-mail: info.genome@gpf.de
On Nov 19, 2003 this sequence version replaced gi:38228900.
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                               PRI 19-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan. I bases 1 to 19219)
The Chimpanzee Chromosome 22 Sequencing, Consortium. Chimpanzee chromosome 22 genomic sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  *GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute of Molecular Blotecnology, Jena, Germany; *KRIBB Genome Research
                                                                                                                            RP43002119 192219 bp DNA linear PRI 19-NOV-20
Pan troglodytes chromosome 22 BAC RP43-002119, complete sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Center, Daejeon, Korea;
*Max-Planck Institute for Molecular Genetics, Berlin, Germany;
*National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequencing vector: ###;
Chemistry: Dye-terminator-amersham: ### of reads
Chemistry: Dye-terminator-amersham: ### of reads
Assembly program: ##
Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q20
Consensus quality: 0 bases at least Q20
Estimated insert size: ##; agarose-fp estimation
Estimated insert size: ##; agarose-fp estimation
Programs used by 'AnnoMitter'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Web site: http://genome.gbf.de/
Contact: info.genome@gbf.de
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1. .192219
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/ rpc family="MLT3CB"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /evidence=not_experimental
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8.5%; Score 100; DB
Best Local Similarity 100.0%; Pred. No. 1.1.
Matches 100; Conservative 0; Mismatches
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misc feature

1136 GGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175

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/ rote family="WER581"
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/ evidence=not experimental
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/ rote="GRAIL, score = 99.000%, comment = excellent shadow"
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complement(11828..11949)
                                     /rpt_family="L2"
4585. .4638
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/ Canconsomes' 1.1"

/ Canconsomes' 1.2."

/ Clone="cosmid Q11M15"

/ Clone="cosmid Q11M15"

/ Complement(233. : 586)

/ Complement(533. : 586)

/ Complement(643. : 964)

/ Complement(1053. : 1176)

/ Apt_family="MERV1"

/ Complement(1053. : 1176)

/ Anote="GenScan, score" = 5.19%, comment = Internal_exon 124

/ Apt_fame: 2 phase: 11

/ Ppt_fame: 2 phase: 1. 1859)

/ Complement(1251. : 1859)

/ Complement(1251. : 1859)

/ Complement(1256. : 3220)

/ Complement(2296. : 3220)

/ Complement(2296. : 3220)

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Homo sapiens chromosome 21q22.3 cosmid Q11M15, complete sequence.
AF045450
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
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Taudien, S., Nordsiek, G., Dagand, E., Hildmann, T., Drescher, B., Weber, J., Rosenthal, A. and Yaspo, M.L.

Direct Submission
Submitted (29-JAN-1998) Genome Analysis, Institut for Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany
Location/Qualifiers
                                                                                                                                                      255 GGGAACTICACCTCGGAGATGATCATCCACAATGTGGAGCCCAGTGATTCGGGGAACATC
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assembly_fragment~clone_end:SP6~vector_side:right"
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/evidence=not_experimental
complement(3874. .4176)
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                                                                        DB 9; Length 192219; 4.6e-30;
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                                                               ch 6.1%; Score 72; DB 1 Similarity 100.0%; Pred. No. 4.6 72; Conservative 0; Mismatches
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/rpt_family="ĀluJb"
complement(4330, 4433)
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
/chromosome="21"
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Taudien, S. and Rosent
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.

SS Hattori,M., Fuljyama,A., Taylor,T.D., Watanabe,H., Yada,T.,
Park,H.-S., Toyoda,A., Ishii,K., Totoki,Y., Choi,D.-K., Soeda,E.,
Ohki,M., Takagi,T., Sakaki,Y., Taudien,S., Blenschmidt,K.,
Polley,A., Menzel,U., Delabar,J., Kumpf,R., Lehmann,R.,
Polley,A., Menzel,U., Delabar,J., Kumpf,R., Lehmann,R., Schudy,A.,
Zinmermann,W., Rosenthal,A., Kudoh,J., Kawasaki,K., Asakawa,S.,
Shintani,A., Sasaki,T., Nagamine,K., Mitsuyama,S.,
Antonarakis,S.E., Minoshima,S., Shimizu,N., Nordsiek,G.,
Antonarakis,S.E., Winoshima,S., Schoen,O., Desario,A.,
Reichelt,J., Kauer,G., Blocker,H., Ramser,J., Beck,A., Klages,S.,
Hennig,S., Rieseselmann,L., Degand,E., Haaf,T., Wehrmeyer,S.,
Reinhardt,R. and Yasop,M.Laure.
The DNA sequence of human chromosome 21

Norder 405 (6784), 311-319 (2000)
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                                                                                                                                                                                                                                         AFU64860 170121 bp DNA linear PRI 05-MAR-2002
Homo sapiens chromosome 21 clone PAC 70124 map 21q22.3, complete
sequence.
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Submitted (27-FBB-2002) Genome Analysis, Institute of Molecular Submitted (27-FBB-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstr. 11, Jena 07745, Germany 4 (bases 1 to 17012)

Rump,A., Dagand,B., Hildmann,T., Nordsiek,G., Drescher,B., Weber,J., Schattevoy,R., Yaspo,M.-L. and Rosenthal,A. Direct Submission
Submitted (05-MAR-2002) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstr. 11, Jena 07745, Germany On Feb 27, 2002 this sequence version replaced gi:3171153.
                                                                                                                    2 (bases 1 to 170121)
Rump, A., Dagand, E., Hildmann, T., Nordsiek, G., Drescher, B., Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A. Direct Submission
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Best Local Similarity 100.0%; Pred. No. 8.6e-19;
Matches 53; Conservative 0; Mismatches 0; Indels 0.
                                                                                           1 CTGTCTGCCCATCTGAATAACAAGAGATGGGGCTTGTGATTTTCCTCCACGGT
Length 40205;
Query Match
4.5%; Score 53; DB 9; Length 402
Best Local Similarity 100.0%; Pred. No. 8e-19;
Matches 53; Conservative 0; Mismatches 0; Indels
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/mol_type="genomic DNA"
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HTG; HTGS_DRAFT.
Homo sapiens (human)
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/evidence=not experimental
complement(19379. .19399)
//octe="Xpound exon prediction, score = 60% (0%)"
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complement(19501. 19881)
/note="MZEF, score = 50.6%"
/evidence=not_experimental
19945. .20020
/note="homology = 100.00%, score = 38, counts = 2"
/evidence=not_experimental
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/rpt_unit="tectegacacattctctgttgagaggtcggtttatcgc"
/20231. .20643
                                                                                                                                 /note="GC score = 10.60 (249bp); Region: GC content"
/evidence=not_experimental
15369. .16268
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complement(18717. .19211)
/ cvidence=not experimental
/ rpt family=WhIT("
complement(19.552. .19399)
/ note="GRAIL, score = 71.000%, comment = good"
/ evidence=not experimental
19269. .19350
/ note==not experimental
                                                                                                                                                                                                    /evidence=not experimental
/rpt_family="MERVL"
complement(1662. 16714)
/note=ment(1662. 16714)
/note=not_experimental
1661. 16730
/note="MERF, gcore = 93.5%"
/evidence=not_experimental
/evidence=not_experimental
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complement(21504. 21756)
/note="WZEF, score = 79.4%"
evidence=not experimental
complement(22325. 22806)
/evidence=not_experimental
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20645. 20910
/evidence=not experimental
/rpt_family="MLT1F"
20961. 21007
/evidence=not experimental
/rpt_family="MRT1F"
21483. 21781
                   /evidence=not_experimental
15065. 15188
/evidence=not_experimental
/rpt_family="HERVL"
15130. 15378
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/rpt_family="LTR16C"
complement(17540..17675)
/evidence=not_experimental
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/evidence=not experimental
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17326. .17436
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BRASNEQLEKAQREAREZAREDARVREARHREELRKEKELFNALLAQTIGGTSGARLES
QOELQREGELLRRMESQCREGROLEDORORRENGOOGROGRELBAGONFTVOGS
VRAQREGYTESASSATOPBAGTWYENVENORGENKONGVNLPOGSAGREDHOHOOW
PHOUGOGOOGROGHOOGRAFRKEPDE IVVVPAPCYSTEMSYVTERMENTYLFINDHIADFG
ROIGVERTFRIDHLLLIPLSRUDISALKINIOTOSTERGRESVYVTERMENTYLFINDHIADFG
IDEBAIKKAMTTLERGENSUSSAGRENGOOGROGHOOGRAFF
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LDSSITTSKKEHFDEILRGLAEDETGQWYRNVLSRLSGSWTARREDSSYLEVIVSTLF
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KRCLLVVALDVRNAFNTASWQCIATALEDKGVPRQLRNIILRDYFANRELVYDTADGFV
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WVADRDGKVAIIASSETYPVQQVVSVTQSGIAAARINDVLFICCYVSBAGVSFFEEV
MQRIDVLARGHPRVVFAGDLNAWHTAWGSCRTNAKGEAVVQLVDSLGLEVLNTGTAPT
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ADSRRQEGPSTRESGTRWRTRHFDAELFGVALDVASFTERVISAESLERVMTEACDAA
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                                             155523 CIGICIGCCCAICTGAATACAAGAGATGGGGCTIGIGAITTICCTCCAGGGT 155575
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
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    CTGTCTGCCCATCTGAATAACAAGAGATGGGGGCTTGTGATTTTCCTCCACGGT
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Evolution of Target Specificity in R1 Clade Non-LTR
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/transposon="R7Ag1"
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/product="gag-like_protein"
/protein_id="BAC57915.1"
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GVQIHDHLSWRPHYBLSTARALRYVGVYTAVWRNHSGPQVAKRRILAAVABSI IRYAA
PWWSEATDLQOWCQRKLAQVGRPLARCYTSFYSYAYAYTETGYALGIJVPFRILJRRDRCHRRLLAAPGASRYDILLSREDGTLGOEWQRAADPTASRYAYWARRNI PDLHLWW
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AHLAALPTRAAAVDAGDLDGEQVSUGYVBEYABETRSNRGRAFRTRRGRRAEBRYEVENL
SAWAAAEREEDSI LMAAVRAEBAGEAPPI IPMRRKGLPPSPRTYRGRRRAEBRYEVDRL
YRQRAREGTLPTVPHGRNRRSRSAPSEADTIRRRMRREMBERLRTARRYPSNQGVRE TRRVTAGVPQGSILGPTLWNIMYDGVLRVELPEGASVIGYADDIVVMARGCTPQEAAL VLSADALAAITEATTSGR"

ORIGIN

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3373863 seqs, 2124099041 residues Searched:

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ALIGNMENTS

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Human, B7-like protein; B7-L; antiinfertility, gynaecological;
antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic;
antiinflammatory; dermatological; antipsoriatic; neuroprotective;
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                                                                                                                                                      antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antialergic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
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/product= "B7-like protein, B7-L_h1"
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               BP.
         ABK13028 standard; cDNA; 1175
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28-NOV-2000; 2000US-00729264.
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                                                                                                                                                                               growth and maintenance or cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L colyopeptide. Hence modulators of (1) are useful for the treatment of polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide carcer including seminal vesicle cancer, lung, brain, Decast, ovarian, allograft transplantation, graft versus host diseases. T-cell dependent B-cc call mediated diseases and autoimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases such as systemic cimmune cell dysfunction or to treat autoimmune diseases such as systemic cimmune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and cucrative colitis), Garave's disease, Hashimnor's thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and cucrative colitis), Garave's disease, Hashimnor's thrombocytopenic purpura and psoriasis, chronic inflammatory bome marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases concerns and for treatment of allesament of diseases concerns and propropersion, including arteriosclerosis and involving abnormal cell proliferation, including arteriosclerosis and cartious, and for treatment of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of allesament of and allesament of allesament of allesament of allesament of allesament of anaemia, thrombocytopenias, Guillain-Barre syndrome and mydathenia gravels, and lymphoproliferative disorders such as multiple myeloma. The present sequence represen
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                           The invention relates to an isolated B7-like (B7-L) polypeptide (I). I polypeptide, polynucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                   useful for enhancing the immune response to tumours. (1) plays a regrowth and maintenance of cancer cells based on the observation of
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Fig 1; 135pp; English
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Matches 1175; Conserv
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                                                                                                                        AAAGTGCAGTGAGCATCCTGGCTTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTGG
                                                                                                                                                 CTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGT
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                                                    AGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTTC
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/product= "Clone PLACE60177880 protein"
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New polynucleotides and polypeptides, useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or
                                                              (HELI-) HELIX RES INST.
(REAS-) RES ASSOC BIOTECHNOLOGY.
                               28-MAR-2002; 2002EP-00007401
                                           05-NOV-2001; 2001JP-00379298.
25-JAN-2002; 2002US-00350978.
                                                                                                                                          targets of gene therapy.
                                                                                  Sugiyama T,
                                                                                         J, Isono Y,
Yoshikawa T,
                                                                                                          WPI; 2003-450961/43.
P-PSDB; ADB64920.
       EP1308459-A2
                                                                                         /amamoto J,
                   07-MAY-2003
                                                                                  Isogai T,
                                                                                             Seki N,
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Otsuki T, Wakamatsu A, Sato H, Ishii S; Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I; Otsuka M, Nagahari K, Masuho Y;

The invention discloses a polymucleotide comprising a sequence selected from 1970 fully defined nucleotide sequences which encode novel collypeptides. Also claimed is a polymeptide encoded by the polymucleotide, on antibody binding to the polympetide or peptide or its partial peptide, an antibody binding to the polympetide or peptide of the polymucleotide, immunologically assaying the polympetide or peptide of the polymucleotide by contacting the polympetide or peptide with the antibody of the encoded protein, and observing the binding between the two, a transformant carrying the polymucleotide in an expressible manner and an antisense polymucleotide. The oligonucleotide is useful as a primer for synthesising the polymucleotide in an expressible manner and an entised and many disease-related proteins are useful as pharmaceutical agents and many disease-related completed in them, for developing a diagnostic marker or medicines for regulation of their expression and activity, or as targets of genes many membrane proteins, signal transduction-related proteins, cranscription-related proteins, signal transduction-related proteins, cranscription-related proteins, disease-related proteins are nuclein to the activity and as a procession of the encoding them can be used as indicators for diseases (e.g. osteoporosis, neurological diseases, rancer, tumours. The cDNA may be used to regulate the activity or expression of the encoded protein to the activity or expression of the encoded protein to the activity or expression of the invention where the activity or expression of the invention where the activity or expression of the invention where the activity or expression of the invention where the activity are the activity or an expression of the invention where the activity or an expression of the invention where the activity or expression of the invention where the activity or expression of the invention where the activity or expression of the invention where the activity or expression of the invention where the activity or sequence presented is a CDNA of the invention. Note: Some of the sequence data for this patent is not represented in the printed specification, but is based on sequence information supplied by the European Patent Office. Claim 1; Page; 222pp; English

Gaps ö Score 1076; DB 9; Length 2051; Pred. No. 0; Sequence 2051 BP; 580 A; 463 C; 474 G; 534 T; 0 U; 0 Other; 1; Indels Pred. No. 0; 0; Mismatches Query Match
Best Local Similarity 99.9%;
Matches 1126; Conservative à

ACGGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGG 108 201 ACGCTTCTGGGTCATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGG 260 380 288 GCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTC 168 261 GCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTC 320 228 289 IGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGAT 348 TCACCTCTCAGAGGTACGACCAGGGGGAACTTCACCTCGGAGATGATCATCCACAATG 440 321 TCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCT TCAGTGACATGGTGGTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCT TCACCTCTCAGAGGTACGAGGGGGGGAACTTCACCTCGGAGATGATCATCACAATG 49 109 169 381 g à g à g ò d

1128 408 468 620 528 680 588 740 648 948 1221 CTCCTCACCAGCGGGCTGATCAACGTCCAGGCCAGCCAAGTCATCCACAGGCTTCTT 1280 708 828 980 888 860 768 920 Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; CTGCTTACCTTACCGTCCAAGTTATGGGAGGGCTGTTCATTCCCCAGTGTTAATCTTGTAG crectraccercaagriareseascercricarreceascertraceascercriaarcricare 561 TCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCGGCTCCCGG TCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACACTGGACCCGGCTCCCGG ATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGC 621 ATATTICCIGGGAGCICGGICICCIGGICAGCCATICAAGCIATIATITIGITCCGGAGC CTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAA CCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTT CCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCCACAGAGCAATGGGACTT CTGTGATTCGGTGTCCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAA 949 AAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCACAGACACCGCTT 1101 AAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAAGACCACAGAAAACCGCTT GTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACTTGGACTAGCAG GCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTC 1161 CTCTCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCC 1069 CTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTT 1129 TIAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175 THATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1327 DNA encoding human B7-like protein, B7-L_h3. ABK13030 standard; cDNA; 1240 BP (first entry) 23-APR-2002 688 349 501 409 469 529 681 589 741 649 801 709 861 169 829 1281 ABK13030; **ABK13030** RESULT δ gg à g ò 셤 ò d à g g ð ð g à 셤 à a g 8 à g ò 셤 à g d à

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antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antiasthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
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Homo sapiens.

y Location/Qualifiers 80. .1240 /*tag= a /product= "B7-like protein, B7-L_h3"

WO200200710-A2.

03-JAN-2002.

28-JUN-2001; 2001WO-US020719.

28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264.

(AMGE-) AMGEN INC.

Welcher AA, Sarmiento UM, Schultz HJ, Chute HT;

WPI; 2002-130881/17. P-PSDB; AAU75542. New B7-like polypeptides, polynuclectides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

Claim 1; Fig 3; 135pp; English.

The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are polypeptide, polymucleotide encoding it and antibody against (I) are conditions including reproductive disorders (e.g. infertility, an iscarriage, preterm labour and delivery and endometriosis) and miscarriage, preterm labour and delivery and endometriosis) and conditions including the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of growth and maintenance of cancer cells based on the observation of cancer including seminal vesicle more regulators of (I) are useful for the treatment of polypeptide. Honce modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, ce seticular cancer and cancers of flammatophoryce response in callograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune diseases. Br. molecules are useful for alleviating the symptoms associated with diseases involving chronic cell mediated diseases and autoimmune diseases under a systemic cell dependent B-cell mediated diseases and autoimmune diseases under a systemic of immune cell dysfunction or to treat autoimmune diseases under a sinflammatory bowel disease (Crohn's diseases such as inflammatory bowel disease (Crohn's diseases under also useful as immune cut as inflammatory are also useful as immune cut and organ transplantation or to prolong graft survival. Br. Complexite are also useful for disponsts and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of Br. polypeptides are also useful as immune cell for treatment of alleviation decorporation, nephropropathies (e.g. gloemerloaders such as decorporation or the prolong gravis and pror treatment of alleviation of treatment of alleviation, such propagates of pneumopathies (extrinsic alveolitiss), vasculop

Sequence 1240 BP; 318 A; 319 C; 305 G; 298 T; 0 U; 0 Other;

Query Ma Best Loc Matches	atch cal S 1124	91.4%; Score 1074; DB 6; Length 1240; imilarity 99.9%; Pred. No. 0; ; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
δy	\vdash	TIGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGGGC 11
qq	116	GGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGGG
Š i	- 1	TCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGAGCTCGAAGCTCATCATGTGGGCTCTC 170
DD	_	SGCTICGCTTCAACTGCACCGCTCCCAGGGCTGGAAGCTCAACGATGAAGGAAG
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ago -	າ ເ	A TOGLIGGLIANG CALCACOT CAGGCCCALGAGGAGGCCCALCALGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGA
ý di	231 296	ALGALCACAGATGES ATGATGATGATGATGATGATGATGATGATGATGATGATGA
٥y	291	CCGGGGATTTCGGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCT 35
Db	356	AGTCGCCTGCATGGATCT 41
8	2	GCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTTAATCTTGTAGTC 410
වූ	416	CTTACCTTACCG1CCAAGT1A1GGGAGAGC1G11CA11CCCAG1G11AA1C11G1AG1C 77
οy	411	•
qq	476	SAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCGGCTCCGGAT 53
٥٧		
Db	536	CCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCC 59.
ठे र	531	AGGGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACACAATGGGACTTTG 590 ALTHIN HIN HIN HIN HIN HIN HIN HIN HIN HIN
an .	h (CONCLITENTAL CONTRACTOR AND CONTRACT
ζō	o i	CTTGCGTGGCTACCTGGAAGACCCTGAAGACCCGCAAAGTCTGCAACTGTAAAATCTACT
තු	959	TGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACT
δλ		⊢ :
Db	716	NITCGGIGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGT 77
č	711	CCGAGTTTAGGTTTTTCATTGCCTACTTGGGCAAAGTTGGACTTGGACTAGCAGGC 77
Dp	176	TACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACTTGGACTAGCAGGC 83
٥٧		GEGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGT 83
Dþ	836	TTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGTCGT 89
δ	831	AGAGGATTT 89
qa	896	grigidadengeAcrderidecegrigirerrierd
οy	891	(9-
qq	926	ITCAATTTCAAAAGAAATCTGAAAAAGAGAAGAAACAAAGAAACTGAGACAGAA 101
ογ	951	ACCGCTTCT 101(
οp	1016	ggaaatgaaactccggctacaattcagatgaacaaaagaccacagaaacgcttct 107;
δλ	101	TGTGGCCCT 107
qq	1076	CCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCT 113
λŏ	101	CCTCACCAGCGGGCTGATCAACGTCCACCCAGCCAGCAAGTCATCCACAGGCTTCTTTT 1130

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Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antippsoriatic; neuroprotective; antidiabetic; haemostatic; antibaticial; antiallergic; antiallergic; antiathmatic; antiallergic; antibaterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New B7-like polypeptides, polynucleotides and their modulators, u for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                   1131 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175
                                                   1196 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1240
                                                                                                                                                                                                                                                                                                                                                                               /product= "B7-like protein, B7-L h2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Chute HT;
                                                                                                                                                                                        DNA encoding human B7-like protein, B7-L_h2.
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                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                    ABK13029 standard; cDNA; 1168 BP
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28-NOV-2000; 2000US-00729264.
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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polynucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide. Felated disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and confiderative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide C0 pathway can be manipulated to regulate cytotoxic T1-puphocyte response in comparate diseases and autoimmune diseases. T-cell dependent B-coll mediated diseases and autoimmune diseases involving chronic

Claim 1; Fig 2; 135pp; English

810

immune thrombocytopenic purpura and psoriasis, multiple sclerosis, diabetes, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for chabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for transfusions, and for treatment of alleray, asthma and hypersensitivity creations, nephropathies (eg. glomerulomephritis), skin disorders pneumopathies (extrinsic alveolitis), vasculopathies, solice disease, consents and unapathies (extrinsic alveolitis), vasculopathies, coeliac disease, consents and unapathies (allera). ö 157 150 217 210 277 270 337 330 397 390 457 450 517 such as systemic 510 577 570 637 630 697 069 750 817 757 gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human $\rm B7-L$ $\rm h2$ 98 AGTOCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT 91 AdrictigAAGGGTTCCCAGGCTCGCTTCAACTGCACGTCTCCCAGGGCTGGAAGCTCAT CATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCCATGGAGCCCATCATCAC CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGAT CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG CCTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGGAGCTGTTCATTCCCAGTGT 391 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCCTCACACTGGAC TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGAC 511 TGTTCCGGAGCCCCAGCGACCTTCAAAGTGCAGGAGCATCCTGGCTCTGACCCCCACAGAG CCGGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTT TGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG CAATGGGACTITGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC 631 IGTABATCTCACTGTGTTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTG Gaps TGIAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG TGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT 691 İGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAGTTGGACT 0 DB 6; Length 1168; Sequence 1168 BP; 299 A; 302 C; 288 G; 279 T; 0 U; 0 Other; Indels cell dysfunction or to treat autoimmune diseases 1; Score 1027; DB Pred. No. 0; Mismatches 87.48; 99.98; Query Match
Best Local Similarity 99.9
Matches 1077; Conservative 158 518 218 271 338 331 398 458 451 578 869 758 888888888888888888888888888 g ਨੇ g ò ò g g ð 충 a ð a ð g qq à ð g ò 셤 ò g ò

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Local Similarity
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                                                                                                                                              TAGCTGTGGCCCTCCTCACCAGCGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC 1117
                                                                                                                                                              1051 TAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGGCCAGGCATCTCC 1110
                                                                                                             AGACACCGCTTCTCTCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAGAAACAG 1057
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                                     1118 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG
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for diagnosing, preventing and treating reproductive, immune and
proliferative disorders, e.g. cancer and arteriosclerosis.
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/product= "B7-like protein, B7-L_h4"
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28-NOV-2000;
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polypeptide, polynucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders of e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders: Antibodies, soluble proteins comprising comprising comprising or extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in careful for enhancing the immune response to tumours. (I) plays a role in seminal vesicle hyperplasia in transgenic mice overexpressing B7-L collypeptide. Hence modulators of (I) are useful for the treatment of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L coll dependent lest cancer and cancers of haematopoletic system. B7-L polypeptide collogisal ransplantation, graft versus host disease, T-cell dependent B1-C plathwy can be emaipulated to regulate cytocoxic T-tymphocyte response in allograft transplantation, graft versus host diseases useful coll mediated diseases and autoimmune diseases. B7-L molecules are useful coll mediated diseases and autoimmune diseases. B7-L molecules are useful coll mumune cell dysfunction or to treat autoimmune diseases such as sixlammatory bowel diseases (Crohn's diseases such as inflammatory bowel disease (Crohn's diseases such as inflammatory bowel disease (Crohn's diseases useful for diagnosis and treatment of diseases and clabetes mellitus. They are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and transplantation of toxic shock syndrome or allosenstitisation due to blood transfusions, neptropathies (e.g. glomenlopephics) collopephics are also useful for diagnosis and treatment of diseases involving and pemphigoid), endocrinopathies (Grave's diseases) control dependence exprise collopephics are also useful for diagnosis and treatment of diseases (compliant and pemphigoid), endocrinopathies (e.g. g
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involving abstrant procein expression or biological activity. The polypeptide and polymucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. AsS64197-AsS94564 represent novel human diagnostic coding sequences of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in ftp.wipo.int/pub/published_pct_sequences

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expressing (II). (I) and (II) are useful for treating disorders aberrant protein expression or biological activity. The

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CAATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC
                  564 charidesAcriridaciridesCracinesAcricadas
                                      TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG
                                                     624 IGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG
                                                                             TGTATTATCAAGTTTACCGAGTTTTAGGTTTTCATTGCCTACTTGGGGCAAAGTTGGACT
                                                                                               TGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT
                                                                                                                   TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTG
                                                                                                                                      rddactadcaccardcrrcrdacdccdacgrdracrrracaracdcrdcrd
                                                                                                                                                                                                                                                                                                                                                    Human; chromosome mapping; gene mapping; gene therapy; forensic; food supplement; medical imaging; diagnostic; genetic disorder; ss.
                                                                                                                                                                                                                                                                                                                               DNA encoding novel human diagnostic protein #28160
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23-AUG-2000; 2000US-00649167
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P-PSDB; ABG28169.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (HYSE-) HYSEQ INC
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                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                       159 ATGIGGGCTCTCAGTGACATGGTGGTGATAAGCGTCAGGCCCATGGAGCCCATCATCACC
                                                                                                               1 AIGHGGGCTCTCAGTGATGATGGTGATGGTCAGGCCCATGGAGCCCATCATCACC
                                                                                                                                                 219 AATGACCGCTTCACCTCTCAGAGGTACGACCAGGGGGGGAACTTCACCTCGGAGATGATC
                                                                                                                                                                       61 AATGACCGCTTCACCTCTCAGAGGTACGACCAGGGGGGAACTTCACCTCGGAGATGATC
                                                                                                                                                                                                                              CTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTT
                                                                                                                                                                                                                                                                                                                                AATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACC
                                                                                                                                                                                                             ATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGC
                                                                                                                                                                                                                                                                                                   CTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTT
                                                                                                                                                                                                                                                                                                                                                      CGCCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAGCTATTATTTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         639 GTAAATCTCACTGTGATTCGGTGTCCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGT
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                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AATGGGACTITGACTIGCGTGGCTACCTGGAAGACCTGAAGGCCCGCAAGTCTGCAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    481 GTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    541 GIATTATCAAGTTTACCGAGTTTTATCATTGCCTACTTGGGCAAAGTTGGACTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            819 TGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCCGTTGTTGTTTCTGCTGTTGAAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           601 GGACTAGCAGCCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
                               Score 728; DB 5; Length 1392;
Sequence 1392 BP; 338 A; 361 C; 341 G; 352 T; 0 U; 0 Other;
                                                                Indels
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0
                          Query Match
62.0%; Score 728; DB
Best Local Similarity 100.0%; Pred. No. 0;
Matches 728; Conservative 0; Mismatches
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                             Query Match
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ACH16130

The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used genes. (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging

New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess

Claim 1; SEQ ID NO 28160; 103pp; English.

biodiversity.

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158 CATGTGGGCTCTCAGTGACATGGTGCTGAGCGTCAGGCCCATGGAGCCCATCATCAC 217
TCAACGICCACCCAGGCCAGGCAAGICATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 1147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human genome-derived single exon nucleic acid probes useful for analyzing
                      243 TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to single exon nucleic acid probes (SENP). The present sequence is one such probe. The probes are useful for producing a microarray for predicting, measuring and displaying gene expression in samples derived from human placenta. The probes are useful for antenatal diagnosis of human genetic disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               98 AGTCCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT
                                                                                                                                                                                                                                                                                                                              Probe #5268 used to measure gene expression in human placenta sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 401;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 401 BP; 105 A; 98 C; 111 G; 87 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                    microarray; human; placenta; antenatal diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          12.3%; Score 144; DB 4; 100.0%; Pred. No. 2.4e-61; tive 0; Mismatches 0;
                                                                                  1148 GAAGGTCAGTAATACAACTGTAGTATAG 1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 25; SEQ ID NO 5268; 654pp; English.
                                                                                                                    303 GAAGGICAGIAATACAACIGIAGIATAG 330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chen W, Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             218 CAATGACCGCTTCACCTCTCAGAG 241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 378 CAATGACCGCTTCACCTCTCAGAG 401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gene expression in human placenta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-FEB-2000; 2000US-0180312P.
26-MAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-0060840B.
03-AUG-2000; 2000US-0053266.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-023459P.
04-OCT-2000; 2000GB-00024263.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                      BP
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                                                                                                                                                                                                                      AAI36582 standard; DNA; 401
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                                                                                                                                                                                                                                                                                                                                                                                             genetic disorder; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                                                                                                                                                                                                                                                    17-0CT-2001
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            1088
                                                                                                                                                                                                                                                              AAI36582;
                                                                                                                                                                                                                                                                                                                                                                                 Probe;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to an isolated polymucleotide comprising any one of 38043 CDNA sequences, appearing as ACH12789-ACH50831, whose sequence was determined by the technique of SBH (sequencing by hybridisation). Also included is a purified polypetide comprising a sequence corresponding to a reading frame of the novel polymucleotide. The nucleic acid sequences are useful in diagnostics as expressed sequence tags (EST) for are useful in diagnostics as expressed sequence tags (EST) for informacis, in assessing biodiversities, or in identifying mutations responsible for genetic disorders and other traits. The nucleotide sequences are also useful as hybridisation probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antisense DNA or RNA. The purified polypeptide is one of the 38043 isolated CDNA/EST sequences. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at sequence. html?DocID=20030073623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1027
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cDNA libraries, useful chromosome and gene or in generating
                                                                                                                                                ss; sequencing by hybridisation; SBH; expressed sequence tag; EST; mapping; biodiversity; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         968 CGGCTACAATTCAGATGAACAAAAGACCACAGACACCGCTTCTCTCCCCTCCCAAATCCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           rgaarccagrearccagagaaacagaacagragcreresccreeccagegecrea
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Jones
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 474 BP; 154 A; 128 C; 96 G; 95 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Dickson MC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New polynucleotide sequences obtained from various as hybridization probes, as oligomers for PCR, for mapping, in the recombinant production of protein,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18.5%; Score 217; DB 8; 99.6%; Pred. No. 7.5e-98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Stache-Crain B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 claim 1; SEQ ID NO 3342; 44pp; English.
ACH16130 standard; cDNA; 474 BP
                                                                                                                                                                                                                                                                                                                                                                      30-JUL-2001; 2001US-00918995.
                                                                                                                                                                                                                                                                                                                                30-JUL-2001; 2001US-00918995
                                                                                                                    heart cDNA #444.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 99.6
Matches 267; Conservative
                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                               LABAT I.
STACHE-CRAIN B.
DICKSON M C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Labat I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense DNA or RNA
                                                                                                                                                                                                                                                                                                                                                                                                           DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-615964/58.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JONES L W.
                                                                                                                                                                                                                                                        US2003073623-A1.
                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Drmanac RT,
                                                                                                                                                                                                                                                                                              17-APR-2003.
                                                                                13-0CT-2003
                                                                                                                    Human adult
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                                          ACH16130;
                                                                                                                                                                                                                                                                                                                                                                                                           (DRMA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                 (STAC/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (JONE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                 LABA/)
                                                                                                                                                            Human;
                                                                                                                                                                                  genome
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Gaps

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Drosophila melanogaster expressed polynucleotide SEQ ID NO 40961. Drosophila; developmental biology; cell signalling; insecticide;

pharmaceutical; gene; ss

Drosophila melanogaster.

WO200171042-A2.

27-SEP-2001

Myers EW;

Li PWD,

Adams M,

Venter JC,

(PEKE) PE CORP NY.

23-MAR-2001; 2001WO-US009231. 23-MAR-2000; 2000US-0191637P. 11-JUL-2000; 2000US-00614150.

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Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                  Probe; human; breast disease; breast cancer; development disorder; ss; inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                                Probe #4326 used to measure gene expression in human breast sample.
                                                                                                                                                                                                                                                                                                                                                      Claim 25; SEQ ID NO 4326; 322pp; English.
                                                                                                                                                                                                                                                                                        Rank DR;
                                                                                                                                                                                        04-FEB-2000; 2000US-0180312P.
26-MAY-2000; 2000US-0207456P.
30-JUN-2000; 2000US-00608408.
33-AUG-2000; 2000US-003366.
21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-023459P.
04-OCT-2000; 2000GB-00024263.
                                                                                                                                                                                                                                                                    (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                        Chen W,
                                                                                                                                                                        2001WO-US000661.
        AAI04335 standard; DNA; 357
                                                (first entry)
                                                                                                                                                                                                                                                                                      Penn SG, Hanzel DK,
                                                                                                                                                                                                                                                                                                        WPI; 2001-476286/51
                                                                                                                                  WO200157270-A2
                                                                                                                                                                                                                                                                                                                                      a human breast
                                                                                                                                                                      29-JAN-2001;
                                                                                                                 Homo sapiens
                                              09-OCT-2001
                                                                                                                                                    09-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
AAI04335
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The present invention relates to novel single exon nucleic acid probes. The present sequence is one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe breast. The probes are useful for a nucleic acid expressed in the human staging, monitoring and prognosing diseases of the human breast, particularly those diseases with polygenic actiology. The diseases include: breast cancer, disorders of development, inflammatory diseases of the breast cancer, disorders of development, inflammatory diseases of the breast undours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pot_sequences

à

2.1%; Score 25; DB 5; Length 357; 100.0%; Pred. No. 0.079; tive 0; Mismatches 0; Indels Sequence 357 BP; 117 A; 68 C; 64 G; 108 T; 0 U; 0 Other; Local Similarity 100. nes 25; Conservative Matches

3493/c ABL15493 standard; cDNA; 6507 BP ABL15493; ABL15493/ HXXXH

RESULT 10

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26-MAR-2002 (first entry)

23-MAR-2001; 2001WO-US009231.

27-SEP-2001

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Gaps

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                                                                                                                                                                                                                                                                                                                                               is
                                                                                                                                                                                                                                                                           The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention isosful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (ABB57737-ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                           New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6507 BP; 1745 A; 1888 C; 1712 G; 1162 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 4; Length 6507; 0.26;
                                                                                                                                                                                                                        Claim 1; SEQ ID NO 40961; 21pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2.0%; Score 24; DB 100.0%; Pred. No. 0.2 iive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2946 CGCTGCTGCTGCTGCCGCCGTCGT 2923
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       807 CGCTGCTGCTGCCGCCGTCGT 830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 24; Conservative
WPI; 2001-656860/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                              P-PSDB; ABB71390
                                                                                                                                                               interactions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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Drosophila melanogaster expressed polynucleotide SEQ ID NO 40958. Drosophila, developmental biology, cell signalling, insecticide; ABL15492 standard; cDNA; 59967 BP (first entry) pharmaceutical; gene; ss. Drosophila melanogaster WO200171042-A2 26-MAR-2002 ABL15492; RESULT 11 ABL15492/c

nseful

(AMGE-) AMGEN INC

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28-JUN-2000; 2000US-0214512P.
28-NOV-2000; 2000US-00729264.
                                                                                                                                                                                                                                                                                         28-JUN-2001; 2001WO-US020719.
23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150.
                     Adams M,
                             2001-656860/75
                                                                                                                             Local Similarity
             (PEKE ) PE CORP NY
                                 P-PSDB; ABB71389
                                                                                                                                                                                                                                                                          WO200200710-A2
                                                                                                                                                                                                                                             Mus musculus
                                                  interactions.
                                                                                                                                                                                       23-APR-2002
                                                                                                                                                                                                                                                                                  03-JAN-2002
                     Venter JC,
                                                                                                                                                                               ABK13032;
                                                                                                                         Query Match
                                                                                                                                  Matches
                                                                                                                                                              RESULT 12
                                                                                                                                                                   ABK13032
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growtn and maintenance or cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cefeticular cancer and cancers of haematopoietic system. B7-L polypeptide cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cefesticular cancer and cancers of haematopoietic system. B7-L polypeptide cancer including maintained reseases. B7-L molecules are useful ceforal diseases and autoimmune diseases. B7-L molecules are useful cer alleviating the symptoms associated with diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory companies each as inflammatory bowel disease (Crohn's disease and disease and collitis), Garave's disease, thathimoto's thyroiditis and diseases mellitus. They are also useful as immunosuppressive agents for dispetes mellitus. They are also useful as immunosuppressive agents for conclecules are also useful for diagnosis and treatment of diseases and colliers are useful for vascular restenosis. Antagonists of B7-L polypeptides are useful for vascular restenosis. Antagonists of B7-L polypeptides are useful for cansingopathies (extining alleray, asthma and hypersensitivity reactions, nephropathies (ey. glomerulomephritis), skin disorders consummant, thrombocytopenias, Gullaain-Barre syndrome and myasthenia canaemia, thrombocytopenias, Gullaain-Barre syndrome and myasthenia canaemia, thrombocytopenias, Gullaain-Barre syndrome and myasthenia canaemia, thrombocytopenias, Gullaain-Barre syndrome and myasthenia canaemia, thrombocytopenias, Gullaain-Barre syndrome of mouse B7-L_ml
                                                                                                                                                                                                                                                                                                                                                      The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polypucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                                                                                                 New B7-like polypeptides, polymucleotides and their modulators, ufor diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                          Chute HT
                                             Schultz HJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                462 CTCCCGGATATTTCCTGGGAGCT 484
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV99359 standard; DNA; 141 BP.
                                                                                                                                                                                                                                                                                                               Claim 1; Fig 5; 135pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2.0%;
                                                Sarmiento UM,
                                                                                                           WPI; 2002-130881/17.
                                                                                                                                            P-PSDB; AAU75544.
                                                       Welcher AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAV99359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL1640-ABL1617) and the encoded proteins (ABB57737-ABR2072). The sequence data for this patent did not form part of printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antityvoid; antiulcer; antiallergic; antidiabetic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; dendocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                                                                                            New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 59967 BP; 17305 A; 12463 C; 12291 G; 17908 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 24; DB 4; Length 59967; Pred. No. 0.27;
                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; SEQ ID NO 40958; 21pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2.0%; Scor.
100.0%; Pred. No. v...
... 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA encoding mouse B7-like protein, B7-L_m1.
                                                                                                                                                         Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cecrecrecrecrecececercer 4573
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     807 CGCTGCTGCTGCTGCCGCCGTCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABK13032 standard; cDNA; 1195 BP.
                                                                                                                                                         Li PWD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        53. .1165
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24; Conservative
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                                                                                                                                                                                                                                                                                                                                    Glial cell line-derived neurotrophic factor receptor gamma 1; GDNFR-alpha; glial cell line-derived neurotrophic factor; GDNF; neurodegenerative disease; amyotrophic lateral sclerosis; GDNFR-gammal;
                                                                                                                                                                                                                                                                                                    5' PCR primer for GDNFR-gammal cDNA encoding the full length protein.
                                                               Gaps
                                                               0;
                              Score 23; DB 6; Length 1195;
Sequence 1195 BP; 313 A; 304 C; 291 G; 287 T; 0 U; 0 Other;
                                                               0; Indels
                                                  0.81;
                                        / Match
Local Similarity 100.0%; Pred. No. v.v
                                                                                                                                                                                                                                                                              25-MAR-1999 (first entry)
                                                                                                                                                                                                                                                  AAV99359;
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US2002023281-A1.

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PCR primers AAV99359-60 were used to amplify cDNA encoding the full length protein of a glial cell line-derived neurotrophic factor receptor expressed in GDNFR-gammal). The amplified product was subsequently cloned and acpressed in Baculovirus. GDNFR-beta shares high homology with GDNFR-neurotrophic factor (GDNF) and mediating with glial cell line-derived neurotrophic factor (GDNF) and mediating cell response to GDNF. The GDNFR with decreased activity of the respective polypeptides. They can be used for treating disorders associated for treating neurodegenerative diseases such as amyotrophic lateral
                                                                                                                                                                                                                                                                                                                                                                                     New isolated glial cell derived neurotrophic factor receptors - used to develop products for treating e.g. neurodegenerative disorders, schizophrenia, hypertension, tumours, renal disorders, kidney failure or
Parkinson's disease, schizophrenia; insomnia; tardive dyskenisia; hypertension; pituitary adenomas; hyperprolactinemia; thyroid tumour; renal disorder; kidney failure; gut dysfunction; regeneration; cardiomyocyte; epithelium; hepatocyte; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                          Ruben SM;
                                                                                                                                                                                                                                                                                                                      Ni J, Hsu T, Young P, Gentz RL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 6; Page 68; 156pp; English
                                                                                                                                                                                                       98WO-US010328.
                                                                                                                                                                                                                                                      97US-00884638.
                                                                                                                                                                                                                                                                                     (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                      97US-0047092P
                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-070150/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                           gut dysfunction,
                                                                                                      Yomo sapiens.
                                                                                                                                     WO9853069-A2
                                                                                                                                                                                                                                                      27-JUN-1997;
                                                                                                                                                                    26-NOV-1998
                                                                                     Synthetic
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sclerosis, Parkinson's disease, schizophrenia, insomnia, tardive dyskenisia, hypertension, pituitary adenomas, hyperprolactinemia, thyroid tumour, renal disorders, kidney failure, gut dysfunction, or for regeneration of cardiomycoytes, epithelium or hepatocytes. Antagonists of the polypeptides can be used for treating disorders associated with increased activity of the respective polypeptides. The products can also Gaps .. Score 22; DB 2; Length 141; Pred. No. 2.5; 0; Indels Sequence 141 BP; 19 A; 60 C; 38 G; 24 T; 0 U; 0 Other; be used for detection, diagnosis and drug screening / Match Local Similarity 100.0%; Pred. NO. 4... Matches

829 69 dérécrécrécrécéres 90 808 GCTGCTGCTGCCGCCGTCG ð g

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ABN99162 standard; DNA; 767 BP. ABN99162

01-AUG-2002 (first entry)

Arabidopsis thaliana expressed polynucleotide SEQ ID NO 930.

Arabidopsis thaliana; plant; insecticide; fungicide; transgenic; stress; disease; crop; thale cress; tolerance factor; insect; pathogen; nutrition; ds

Arabidopsis thaliana.

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26-JAN-2001; 2001US-00770445.
                       27-JAN-2000; 2000US-0178472P.
                                    HAMILTON C M.
                                                            LEDFORD B L. WOESSNER J P.
                                                 RAMEAKA J G.
                                            RAINES T M.
                                                         MATHEW A V.
                                                                      GARCIA C A.
                                                                            SLATER T.
DAVIS K R.
ALLEN K.
HOFFMAN N.
                              GORLACH J.
                                                                          KRICKER M.
                                                                   HAAS W D.
                                                     PAGE A.
          21-FEB-2002
                              GORL/)
                                                                  (HAAS/)
(GARC/)
(KRIC/)
(SLAT/)
                                  (ANYY/)
(HAMI/)
                                        (PRIC/)
(RAIN/)
                                                     (PAGE/)
                                                                                (DAVI/)
(ALLE/)
(HOFF/)
                                               YUYY/)
                                                  RAME/)
                                                            LEDE/)
                                                               WOES/)
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Haas WD; Price JL, Raines TM, Yu Y; Ledford BL, Woessner JP, Haas V , Davis KR, Allen K, Hoffman N; Gorlach J, An Y, Hamilton CM, F Rameaka JG, Page A, Mathew AV, Garcia CA, Kricker M, Slater T, Hurban P;

HURBAN P.

HURB/)

WPI; 2002-403163/43.

New Arabidopsis thaliana nucleic acid for identifying homologous genes, producing compositions that modulate the expression or function of its encoded protein, and mapping functional regions of protein.

Claim 1; SEQ ID NO 930; 49pp + Sequence Listing; English.

The invention relates to an Arabidopsis thaliana nucleic acid (I)

Comprising a sequence capable of hybridising under stringent conditions

C comprising a sequence capable of hybridising under stringent conditions

C of a sequence selected from any one of 999 sequences (ABN893233-ABN89221),

Given in the specification or its fragment. A polypeptide (II) encoded by

C (I), a transgenic plant (III) comprising an exogenous nucleic acid or a genetically modified cell (IV) comprising an exogenous nucleic acid or a modified cell (IV) comprising an exogenous nucleic acid, is

C useful in identifying homologous or related genes, in producing

C useful in identifying homologous or related genes, in producing

C useful in identifying homologous or related genes, in producing

C useful in identifying homologous or related genes, in producing

C useful in identifying homologous or related genes, in producing

C useful in identifying producing of its also useful in acroeming assays of various plant extains to determine the strains that

C screening assays of various plant strains to determine the strains that

C screening assays of various plant strains to determine the strains that

C screening assays of withstanding a particular disease or environmental

Stress. (II) and (III) are useful for screening of biologically active

C agents, e.g. fungicides, insecticides, etc., for elucidating biochemical

Stress. (II) and (III) are useful in improved methods of treating

C tops to prevent or treat disease. (II) are also useful in screening

C pathways. The screened agents are useful in improved methods of treating

C pathways. The screened agents that mimic or enhance the action of tolerance to environmental stress. (II) is also useful for identifying other mediators that enhance to which

C (III) is useful for identifying other mediators that may induce to particular plant, for identifying other mediators that enhance to environmental stress. (II) are apposible to a particular plant and of interest, for identifying productions

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This sequence encodes a novel glial cell line-derived neurotrophic factor alpha-3 receptor (GDNF alpha-3). This protein can be used to treat e.g. neurodegenerative diseases (such as Parkinson's Disease, amyotrophic lateral sclerosis (ALS), spinal muscular atrophy (SNA), Huntington's Disease, Alzheimer's Disease, diabetic neuropathy), muscular diseases (including the muscular dystrophies) and nerve and muscle trauma and in diagnostic assays for such conditions
                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New factor alpha 3 receptor polypeptide and e.g. DNA and agonists - used to treat neuro degenerative diseases, muscular diseases and nerve and muscle trauma and in diagnostic assays.
that may affect the biological function of the gene or gene products. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at seqdata.uspto.gov/sequence.html?DocID=999909770445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Glial cell line-derived neurotrophic factor alpha-3 receptor; GDNF; treatment; neurodegenerative disease; Parkinson's Disease; ALS; SYA; amyotrophic lateral sclerosis; spinal muscular atrophy; nerve; trauma; Huntington's Disease; Alzheimer's Disease; diabetic neuropathy; muscle; muscular dystrophy; diagnostic; ss.
                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /*tag= a
/product= "GDNF alpha-3"
/note= "partial sequence of glial cell-derived
neurotrophic factor alpha-3 receptor"
                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                tch al Similarity 100.0%; Pred. No. 2.5; Conservative 0; Mismatches 0; Indels
                                                                                                                                                           Sequence 767 BP; 169 A; 199 C; 147 G; 252 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human GDNF alpha-3 receptor cDNA #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                            821 CCGCCGTCGTTGTGGCTGC 842
                                                                                                                                                                                                                                                                                                                                                                                                                        672 ccccccrccrrcrrcrccrcc 693
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAV35364 standard; cDNA; 1200 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SMIK ) SMITHKLINE BEECHAM PLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 9; Fig 1; 22pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                96GB-00024677.
97GB-00009463.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       97EP-00309375.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                  Local Similarity
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09-MAY-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV35364;
                                                                                                                                                                                                                                 Query Match
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Sequence 1200 BP; 236 A; 419 C; 307 G; 238 T; 0 U; 0 Other;

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                           Gaps
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0
1.9%; Score 22; DB 2; Length 1200; 100.0%; Pred. No. 2.6; ve 0; Mismatches 0; Indels
      100.08; Pre-
                               22; Conservative
                 Best_Local Similarity
Matches 22; Conserv
      Query Match
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Search completed: September 14, 2004, 23:41:47 Job time : 508.04 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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OM nucleic - nucleic search, using sw model

September 14, 2004, 23:14:24 ; Search time 91.8225 Seconds (without alignments) 7101.389 Million cell updates/sec

Run on:

US-09-729-264-1

Perfect score:

1 ctgtctgcccatctgaataa.....gtaatacaactgtagtatag 1175 Sequence:

OLIGO_NUC Gapop_60.0 , Gapext 60.0 Scoring table:

682709 seqs, 277475446 residues Searched:

1281558 Total number of hits satisfying chosen parameters:

Word size :

Minimum DB seq length: 16 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

1ssued Patents NA:*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

CITAMABIE

			٠			SUMMARIES	
Res	Result		Query				
19	No.	Score	Match	Match Length	DB	D	Description
₹	- -	22	1.9	1203	m	US-09-220-528-65	Sequence 65. Appl
	N	22		1699	4	US-09-187-906-20	200
	'n	22		3942	ĸ	US-09-162-484-19	0
υ	4	21	1.8	550	4	699-60	
U	Ŋ	21	•	1428	4	09-489-039A-3	1004
	ø	20	1.7	394	4	-976-1675	
	۲	20	1.7		4	US-09-621-976-16751	1675
	æ	20	1.7	984	4	- 1	
	თ	20	1.7		4	- 1	1273
υ	10	20	1.7		e	US-09-593-711A-3	3 Ann
υ	11	20	1.7	1914	٦	US-07-601-094-1	, -
U	12	20	1.7		Н	-012-735-	·
	13	20	1.7	2214	6	US-08-864-038A-1	ì -
	14	20	1.7	3331	m	US-08-864-038A-2	ì
	12	20	1.7	3331	٣	US-08-864-038A-4	4
	16	20	1.7	6407	N	US-08-616-844-7	
	17	20	1.7	6407	7		
	18	20	1.7		m	US-08-944-868A-7	
	13	20	1.7	6407	m	US-08-944-423A-7	Semience 7 Apply
	20	20	1.7	6407	٣	US-08-944-496-7	
υ	21	19	1.6	402	ጥ	US-09-621-976-88	88
ย	22	19	1.6	1425	Н	US-08-464-148-1	
υ		19	1.6	1425	٦	US-08-385-500-1	ì –
υ	24	19	1.6	1425	٦	US-08-846-784-1	-
	25	19	1.6	1477	4	US-09-620-312D-1019	1019
U	56	19	1.6	1768	4	US-09-833-381-523	
	27	19	1.6	1899	4	US-09-919-060-15	15

US-09-187-906-20

RESULT 2

| Sequence 20, Application US/09187906 | Patent No. 6677135 | GENBRAL INFORMATION: | APPLICANT: BIOGEN, INC. | TITLE OF INVENTION: Ret Ligand (RetL) for Stimulating Neural | TITLE OF INVENTION: and Renal Growth | TITLE OF INVENTION: and Renal Growth | TITLE OF INVENTION: and Renal Growth | TITLE OF INVENTION: and Renal Growth | TITLE OF INVENTION: and Renal Growth | TITLE OF INVENTION: and Renal Growth | TITLE OF INVENTION: and Renal Growth | STREET: 14 Cambridge Center | STREET: 14 Cambridge Center | STATE: MA | COUNTRY: USA | SIPATE: USA

Sequence 16, Appl Sequence 5, Appli Sequence 5, Appli Sequence 5, Appli Sequence 6, Appli Sequence 60, Appl Sequence 60, Appl Sequence 60, Appl Sequence 21, Appl Sequence 21, Appli Sequence 12, Appli Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 14, Appl Sequence 15, Appli Sequence 15, Appli Sequence 16, Appli Sequence 17, Appli Sequence	Sequence 106, App
US-09-919-060-16 US-08-447-500-5 US-08-454-097-5 US-08-453-866-5 US-08-4185-359-5 US-09-491-522-6 US-09-491-522-6 US-09-491-522-6 US-09-491-522-2 US-09-919-060-12 US-09-19-060-12 US-09-367-891A-5	907-726-995-60-60
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ALIGNMENTS

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Gaps
                                                                                APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Baloh, Robert H.
TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
FILE REPERENCE: 6629-7938
CURRENT FILING DATE: 1989-12-24
CURRENT FILING DATE: 1989-12-22
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-12-22
EARLIER PILING DATE: 1998-11-12
EARLIER FILING DATE: 1998-11-12
EARLIER PILING DATE: 1998-109163,283
EARLIER FILING DATE: 1998-10-29
MUMBER: OF 960 ID NOS: 120
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1.9%; Score 22; us.
Best Local Similarity 100.0%; Pred. No. 0.1
Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         808 GCTGCTGCTGCCGCCGTCG 829
US-09-220-528-65; Application US/09220528A; Sequence 65, Application US/09220528A; Patent No. 6284540; GENERAL INFORMATION;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51 GCTGCTGCTGCTGCCGCCGTCG
                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Homo sapiens
US-09-220-528-65
                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 65
LENGTH: 1203
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APPLICANT: Gary Breton et. al TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA TITLE OF INVENTION: PREUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS TITLE OF INVENTION: PREUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS CURRENT FILLNON NUMBER: US/0/4489,039A.

CURRENT FILLNG DATE: 1099-01-27

PRIOR FILING DATE: 1099-01-29

NUMBER OF SEQ ID NOS: 14342

SEQ ID NO 3243

LENGTH: 1428
                                                                                                                                                                                                        RESULT 4

US-09-669-751-128/C

i Sequence 128, Application US/09669751

patent No. 6551575

j GENERAL INFORMATION:
   APPLICANT: Greenspan, Ralph J.
   TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Balance and the Perception of Gravity TITLE OF INVENTION: Balance and the Perception of Gravity FILLE OF INVENTION: UNMBER: US/09/669,751

CURRENT APPLICATION NUMBER: US 60/168,579

PRIOR FILLING DATE: 1999-12-02

NUMBER OF SEQ ID NOS: 261

SOUTHARE: FRANKEQ FOR Windows Version 4.0
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1.9%; Score 22; DB 3; Length 3942;
100.0%; Pred. No. 0.18;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 550;
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100.0%; Pred. No. 0.58;
tive 0; Mismatches
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8.09-621-976-16752
; Sequence 16752, Application US/09621976
; Patent No. 6639063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 5
US-09-489-039A-3243/c
'Sequence 3243, Application US/09489039A
; Patent No. 6610836
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                                                                                                                                      72 derecrecrecrecedederes 93
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ORGANISM: Klebsiella pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 21; Conservative
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Best Local Similarity 100.0
Matches 21, Conservative
                                                      22; Conservative
                            Best Local Similarity
Matches 22; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Drosophila
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LENGTH: 550
           Query Match
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APPLICANT: PAILING:
APPLICANT: PAILING:
APPLICANT: MONUCZY, Dagmara
TITLE OF INVENTION: ANGTOTENSIN CONVERTING ENZYME MRNA AND METHODS OF USE
TITLE OF INVENTION: ANGTOTENSIN CONVERTING ENZYME MRNA AND METHODS OF USE
FILE REFERENCE: UPLA: 087/UFLA087P
CURRENT APPLICATION NUMBER: US/09/162,484
CURRENT PILING DATE: 1998-109-25
EARLIER FILING DATE: 1999-25
NUMBER OF SEQ ID NOS: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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0.18;
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                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
OSOFWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/187,906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.9%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Kaplan, Warren A.
REGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: A008 PCT CIP
                                                                                                                                                                       FILING DATE:
CLASSIFICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION
FILING DATE:
PTLING DATE:
OP-MAX-97
APPLICATION NUMBER: US 60/017,427
FILING DATE: 08-MAX-96
PRIOR APPLICATION DATE:
PRIOR APPLICATION NUMBER: US 60/019,300
FILING DATE: 07-JUN-96
PRIOR APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-JUL-96
PRIOR APPLICATION NUMBER: US 60/043,533
FILING DATE: 10-APR-97
ATTORNEY AGENT INFORMATION:
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      808 GCTGCTGCTGCCGCCGTCG 829
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Patent No. 6248724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION: TELEPHONE: 617-679-2400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 617-679-2838
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 1699 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA; CRGANISM: Rattus norvegicus
US-09-162-484-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 19
LENGTH: 3942
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LOCATION:
US-09-187-906-20
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; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12897
                                                                                               Best Local Similarity 100.0
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEI:
LOCATION: 1415
OTHER INFORMATION: U
NAME/KEY: UNSURE
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OTHER INFORMATION:
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OTHER INFORMATION:
NAME/KEY: unsure
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LOCATION: 1423
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LENGTH: 1857
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LENGTH: 1910
                                                                              Query Match
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| Patent No. 6551795|
| Patent No. 6551705|
| Patent No. 6551705|
| Patent No. 6551705|
| APPLICANT: Marc J. Rubenfield et al.
| TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: ARGAINOSA FOR DIAGNOSTICS AND THERAPEUTICS
| TITLE OF INVENTION: ARGAINOSA FOR DIAGNOSTICS AND THERAPEUTICS
| TITLE OF INVENTION: ARGAINOSA FOR DIAGNOSTICS AND THERAPEUTICS
| CURRENT APPLICATION NUMBER: US/09/252,991A CURRENT FILING DATE: 1998-02-18
| PRIOR FILING DATE: 1998-02-18
| PRIOR FILING DATE: 1998-07-27 NUMBER OF SEQ ID NOS: 33142
| SEQ ID NO 12897 |
| LENGTH: 984
| TYPE: DNA
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100.0%; Pred. No. 1.8;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.9;
.ive 0; Mismatches 0; Indels
                                  APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
ITILE OF INVENTION: EGTS and Encoded Human Proteins.
FILE REFERENCE: GENSET 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000.07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: PALENT.pm
SEQ ID NO 16752
LENGTH: 394
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Fatent No. 6639063
Fatent No. 6639063
FAPLICANT: Dumas Mine Edwards, J.B.
APPLICANT: Jobert, S.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT APPLICANTON NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16751
LENGTH: 794
                       APPLICANT: Dumas Milne Edwards, J.B.
                                                                                                                                                                                                                                                                                                                                                                                                                817 GCTGCCGCCGTCGTTGT 836
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Best Local Similarity 100.(
Matches 20; Conservative
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapiens
US-09-621-976-16752
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ORGANISM: Homo sapiens
GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER: OF SEQ ID NOS: 33142
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                                                                          Gaps
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APPLICANT: Madeline M. Butler
APPLICANT: Madeline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF C/EBP BETA EXPRESSION
FILE REFERENCE: RTS-01118
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                   Score 20; DB 4; Length 984;
Pred. No. 1.9;
                                                                   0; Indels
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1.7%; Score 20; DB 4;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 20; Conservative 0; Mismatches (
1.7%; Scot.
100.0%; Pred. No. 1.
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CURRENT APPLICATION NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
NUMBER OF SEQ ID NOS: 244
                                                                                                                                                                                                                                                    US-09-252-991A-12735
; Sequence 12735, Application US/09252991A
; Patent No. 6551795
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                                                                                                             834 TGTGGCTGCAACTGCTG 853
                                                                                                                                              395 TGTGGCTGCAACTGCTGCTG 414
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3, Application US/09593711A; Patent No. 6271030; GENERAL INFORMATION:
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807 CGCTGCTGCTGCCGCCG 826

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Gaps
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Pred. No. 2;
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Patent No. 6001592

GENERAL INPORMATION:
APPLICANT: Kunio NAKASHIMA et al.
IITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
                                                                                                                                                         GENERAL INCORMATION:

GENERAL APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Hirano, Toshito
APPLICANT: Hirano, Toshito
APPLICANT: Ishiki, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Rinoshita, Shigemi
APPLICANT: Shimamoto, Takuya
TITLE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.7%; Score 2v, -
100.0%; Pred. No. 2;
+ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Sughrue, Mion, Zinn, Macpeak
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/012,735
FILING DATE: 19330203
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/601,094
FILING DATE: 22 OCT 1990
TELECHONE: (202) 293-7060
TELECHONE: (202) 293-7060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CIVI:
STATE: D.C.
COUNTY: United States
COUNTY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     807 CGCTGCTGCTGCCGCCG 826
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                            204 cácrácrácrácráccácca 185
                                                                                            RESULT 12
US-08-012-735-1/c
; Sequence 1, Application US/08012735
; Patent No. 5360894
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 6491103
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
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; OTHER INFORMATION:
US-08-012-735-1
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Matches 20; Conservat
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CITY: Washington
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US-08-864-038A-1
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2;
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100.0%; Pred. No. 2;
tive 0; Mismatches 0; Indels
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Akira, Shizuo
Isshiki, Hiroshi
Tanabe, Osamu
Kinoshita, Shigemi
Shimanoto, Takuya
INVENTION: C/EBP2 Gene and Recombinant
INVENTION: C/EBP2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: C/EBP2 Gene and Recombinities of INVENTION: C/EBP2 Gene and Recombinities of INVENTION: C/EBP2 Gene and Recombinities of SEQUENCES: 34

ADDRESSEE: Sughrue, Mion, Zinn, Macpeak ADDRESSEE: Seas

ADDRESSEE: Seas

ATREET: 2100 Pennsylvania Avenue, N.W.

CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM FC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/601,094
FILING DATE: 19901022
                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1, Application US/07601094;
Patent No. 5215892
GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Hirano, Toshio
APPLICANT: Akira, Shizuo
APPLICANT: Isahiki, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
                                                                                                                                                                                                                                                                                                     807 CGCTGCTGCTGCTGCCGCCG 826
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TELEX: 6491103
INPORMATION FOR SEQ ID NO: 1: SEQUENCE CHARACTERISTICS: LENGTH: 1914 base pairs : TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION: TELEPHONE: (202) 293-7860
TELEFAX: (202) 293-7860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                      NAME/KEY: unsure
LOCATION: 1424
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1458
OTHER INFORMATION: unknown
NAME/KEY: CDS
LOCATION: (299)...(1336)
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RY: United States
20037-3202
          unknown
                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; LOCATION: 281..1316
; OTHER INFORMATION:
US-07-601-094-1
                                                                                                                                                                                                                         Query Match
Best Local Similarity
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      OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 11
US-07-601-094-1/c
                                                                                                                                                                                                                                                                20;
                                                                                                                                                                                  US-09-593-711A-3
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                                                                                                                                                                                                                                                                Matches
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APPLICATE: Kunio NAKASHIMA et al.

TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR

TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID

TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING

TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:
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ZIP: 514-01
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
SOFTWARE: WORD PERFECT 6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.7%; Score 20; DB 3;
100.0%; Pred. No. 2;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: from 1 to 3331
IDENTIFICATION METHOD: E (by experiment)
                                                                APPLICATION NUMBER: US/08/864,038A FILING DATE: May 28, 1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: UP FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION: NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: CDNA to MRNA
ORIGINAL SOURCE:
ORGANISM: Pinctada fucata
CELL TYPE: mantle epithelial cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US/08/864,038A
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APPLICATION NUMBER: US/08/864,03
FILING DATE: MAY 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 4, Application US/08864038A Patent No. 6001592 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      F-5610
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                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: F-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)986-2340
TELEFAX: (212)983-7733
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   807 CGCTGCTGCTGCCGCCG
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REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: 812-5 Hirano
STREET: Isshinden
CIIY: Tsu-city
STATE: Mie-prefecture
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 100.0
Matches 20, Conservative
                                             CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                         double
                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: doub
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US-08-864-038A-4
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         CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIHODY TO SAID POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/08864038A

Sequence 2, Application US/08864038A

Patent No. 601192

GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: TO SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
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100.0%; Pred. No. 2;
Live 0; Mismatches 0; Indels
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MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
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MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible
OPERATING SYSTEM: Microsoft Windows 95
                                                                                                                                                                                                                                                                                                                                   SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
PILLING DATE: US/08/964 ....
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/08/864,038A FILINO DATE: MAY 28, 1997
PRIOR APPLICATION DATA: APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION: NAME: C. BRUCE Hamburg
REGISTRATION UNMBER: 22,389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; CELL TYPE: mantle epithelial cell US-08-864-038A-1
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 986-2340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Pinctada fucata
                                                                                                                                              812-5 Hirano
                                                                                                                                                                    CITY: TBU-city
STATE: Mie-prefecture
COUNTRY: JAPAN
TITLE OF INVENTION: CONTITLE OF INVENTION: VECTITLE OF INVENTION: SAID TITLE OF INVENTION: TO S NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
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STRANDEDNESS: doubl
TOPOLOGY: linear
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Best Local Similarity
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US-08-864-038A-2
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RESULT 1
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1: /cgn2_6/ptodata/2/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/2/pubpna/USO6_NEW_PUB.seq:*
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19: /cgn2_6/ptodata/2/pubpna/USO0_NEW_PUB.seq:*
19: /cgn2_6/ptodata/2/pubpna/USO0_NEW_PUB.seq:*
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3304383 seqs, 2515761380 residues
                                                                                                             - nucleic search, using sw model
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Gapop_60.0 , Gapext 60.0
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

		Description	Section 1100 Assessment	Segmence 1247, Ap	Semience 1630E	Segmence 16662	Comional office	A 'ZCOTO EJIENDE	sednence 930, App	Segmence 65, Anni	Special Control of the Property of the Control of t	TATE TO THE TOTAL	de '86% april	Sequence 41506, A	Semience 11051	מילדכידי הייים	sednence Iza, App	Segmence 28842. A	Sequence 20, Appl
SUMMARIES		ID	US-10-104-047-1104	US-09-918-995-3342	US-09-864-761-16305	US-09-864-761-16653	US-10-437-963-81852	TIS-09-770-44E-020	056-044-077-050	US-09-220-920-65	US-09-828-366-15	IIS-10-152-3192-1498	00 FT 10 FOR OF OIL	US-10-43/-963-41506	US-09-918-995-11051	IIS-10-255-536-120	001 000 000	US-10-767-701-28842	US-09-930-213-20
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	* Query	Length	2051	474	401	357	1284	767		1203	1829	4142	762	1 6	4.93	550		709	1558
	* Query	Match	91.6	18.5	12.3	2.1	2.0	1.9			1.9	1.9	α,		۲.8	1.8	-	٠.۲	1.8
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US-10-087-192-185	7	US-10-437-963-55684	4	US-09-983-965-4945	US-09-918-995-5855	US-10-430-201-970	US-10-430-201-971	US-10-767-701-5378	US-10-425-114-20418	US-10-027-632-150405	US-10-027-632-150405	US-10-120-988-90	US-10-425-114-19266	733-16	96	US-10-425-114-31002	US-09-852-386-87	US-10-060-036-182	7	US-09-789-831-1	US-10-415-325-18	US-10-146-733-14	US-10-257-022-30	US-10-108-605-246	US-10-437-963-75800		US-10-145-586-42	20-988-2	۱,	US-10-145-586-40
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1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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ALIGNMENTS

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	Gaps	49 ACGSTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGG 	GCTCCCAGGCTCGCTTCAACTGCACGTCTCCCAGGGCTGGAAGCTCATGTGGGGCTC 	TCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACGGCT	229 TCACCTCTCAGAGGTACGACCAGGGGGAACTTCACCTCGGAGATGATCATCCACAATG
	2051;	CAGTCC CAGTCC	TCATGT	CCAATG	TCATCC
ι cDNA	Length Indels	ATGCAA ATGCAA	AGCTCA AGCTCA	TCATCA TCATCA	AGATGA'
10-104-047-1104 equence 1104, Application US/10104047 equence 1104, Application US/10104047 equence 1104, Application US/10104047 equence 1104, Application US/10104047 ENERAL INFORMATION: US20030236392A1 APPLICANT: HELIX RESEARCH INSTITUTE APPLICANT: HELIX RESEARCH INSTITUTE FITLE REFERENCE: 10-002-03-25 FILE REFERENCE: 2002-03-25 FILING DATE: 2002-03-25 PRIOR APPLICATION NUMBER: PRIOR FILING DATE: 2002-03-25 FRIOR FILING DATE: 2002-03-25 FRIOR FILING DATE: 2012 EQ ID NO 3: 4096 EQ ID NO 1104 ENGTH: 2051 LYPE: DNA ORGANISM: Homo sapiens 10-104-047-1104	DB 16; I	CCCAGA 	GCTGGA GCTGGA	TCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCT	וככדכפפ
1 full 7	5; DB 0; ches	AGAAGGCC AGAAGGCC	rcccago 	CCATGO	ACTTCA
10-10-11 10-11-1 10-1-1 10-1-1 10-1 1	Score 1076; Pred. No. 0; 0; Mismatches	GTCATA(GTCATA(PACTGCACCGTCT PACTGCACCGTCT	GTCAGG(GTCAGG	3606667
5/10104 2A1 SELIUT 0330236 US/10/		aatgaa aatgaa	AACTGC AACTGC	CTAAGO CTAAGO	GACCAG
tion US 2236395 2236395 5. US22 005 MMBER: MMBER: 4096 7. 2.1	91.6%; 99.9%; tive	TCTGGT TCTGGT	CGCTTC	TGGTGGTGCTAAGCC 	AGGTAC
SOLT I. 10-104-047-1104 Sequence 1104, Application US/10104047 Sequence 1104, Application US/10104047 Sequence 1104, Application US/10104047 GENERAL INFORMATION: APPLICANT: HELIX RESEARCH INSTITUTE TITLE REFERENCE: H1-A0105 CURRENT APPLICATION NUMBER: US/10/104 CURRENT FILING DATE: 2002-03-25 PRIOR APPLICATION NUMBER: PRIOR FILING DATE: NUMBER OF SEQ ID NOS: 4096 SEQ ID NO 1104 LENGTH: 2051 TYPE: DATE ORGANISM: HOMO Sapiens ORGANISM: HOMO Sapiens 10-104-047-1104	Query Match Best Local Similarity 99.: Matches 1126; Conservative	rrcrege rrcrege	CAGGCT CAGGCT	GACATG	TCTCAG
7-1104 A 104, A No. R No	Simila Simila 16; Co	ACGGI 	GCTCC		TCACC
Sequence 1104, Appli Sequence 1104, Appli Publication No. US20 GENERAL INFORMATION: APPLICANT: HELIX RE TITLE OF INVENTION: CURRENT APPLICATION CURRENT APPLICATION CURRENT FILING DATE PRIOR FILING DATE NUMBER OF SEQ ID NO. SOFTWARE: PatentIN SEQ ID NO 1104 LENGTH: 2051 TYPE: DNA ORGANISM: Homo sap: ORGANISM: Homo sap:	Query Match Best Local Similarity Matches 1126; Conser	201	109	169	229
US-10-104-047-1104 Sequence 1104, A Sequence 1104, A Sequence 1104, A Sequence 1104, B Sequence 1104, B Sequence 1104, A TITLE NETERENCE TITLE REFERENCE CURRENT FILING PRIOR PELICATI PRIOR FILING DA PRIOR FILING DA SOFTWARE: PACENTI SEQ ID NO 1104 LENGTH: 2051 TYPE: DNA ORGANISM: HOMO US-10-104-047-1104	Query Best Match	දු දු	oy Bb	Oy Dp	δλ
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                                                                          TTCGTATTCAATTTCAAAAGAAATCTGAAAAAGAGAAGAAACAAAAGAAACTGAGACAG
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                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3342, Application US/09918995
Publication No. US20030073623A1
GENERAL INFORMATION:
APPLICANT: Hyseq, Inc.
ATILE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
TITLE OF INVENTION: PROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
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99.6%; Pred. No. 2.3e-102;
tive 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3342
LENGTH: 474
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                                                                                                                                                                                    or
                                                                                                                                                                 ; LOCATION: (1) __(474)
; OTHER INFORMATION: n = A,T,C
US-09-918-995-3342
                                                                                                                                                                                                                                                         267; Conservative
                                                                                                                 TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                           NAME/KEY: misc_feature
                                                                                                                                                                                                                             Query Match
Best Local Similarity
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APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Howendran Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR FILE OF INVENTION: HUMBER: US/09/864,761
CURRENT APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-06-03
PRIOR FILING DATE: 2000-06-03
PRIOR FILING DATE: 2000-06-04
PRIOR PLING DATE: 2000-09-07
PRIOR PLING DATE: 2000-09-07
PRIOR PLING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
                                                     Sequence 16305, Application US/09864761
Patent No. US20020048763A1
RESULT 3
US-09-864-761-16305
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Sequence 81852, Application US/10437963
; Bequence 81852, Application US/10437963
; Publication No. US20040123343A1
; Bedblication No. US20040123343A1
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Cao, Yongwei
; APPLICANT: Cao, Yongwei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Buckharov, Andrey A.
; APPLICANT: Buckharov, Andrey A.
; APPLICANT: Li, Ping
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ DD NO 81852
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Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 23; Conservative 0; Mismatches 0; Indels (
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                              PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PAPLICATION NUMBER: PCT/US01/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DATE: 2000-09-21
PRIOR PELING DATE: 2000-09-21
PRIOR PILING DATE: 2000-06-30
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OTHER INFORMATION: MAP TO AF064857.1

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.93
US-09-864-761-16653
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              884 AGGATTTCGTATTCAATTTCAAAAG 908
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ORGANISM: Homo sapiens
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ORGANISM: Oryza sativa
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US-10-437-963-81852/c
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Patent No. US20020048763A1

GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Hanzel, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REPRENCE: Aconica-X-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          158 CATGTGGGCTCTCAGTGACATGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCAC 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       258 AGICCIGAAGGGCICCCAGGCICGCIICAACIGCACCGICICCCAGGGCIGGAAGCICAI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: MAP TO AF121782.1
CTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Annomax Sequence Listing Engine vers. 1.1 SEQ ID NO 16305
LENGTH: 401
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR APPLICATION WUMBER: PCT/USO1/00668
PRIOR APPLICATION WUMBER: PCT/USO1/00668
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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PRIOR PLING DATE: 2000-05-30
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PRIOR PLING DATE: 2000-05-30
PRIOR PLING DATE: 2001-01-29
PRIOR PLING DATE: 2001-01-29
PRIOR PLING DATE: 2001-01-29
PRIOR PLING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR PILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 09/632,66
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-0-27
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      218 CAATGACCGCTTCACCTCTCAGAG 241
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -09-864-761-16653
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TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC TITLE OF INVENTION: CELL GROWTH FILE REFERENCE: P1694R1CT CURRENT APPLICATION NUMBER: US/09/828,366 CURRENT FILING DATE: 2001-04-05 Prior filing data removed - refer to PALM or file wrapper NUMBER OF SEQ ID NOS: 29 SEQ ID NOS: 29
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                                                                                                                                                          0; Indels
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APPLICANT: Johnson, Kory
APPLICANT: Higgs, Brandon
APPLICANT: Castle, Arthur
APPLICANT: Elashoff, Michael
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REPERENCE: 44921-5089-US
CURRENT APPLICATION NUMBER: US 10/152,319A
CURRENT FILING DATE: 2002-05-22
PRIOR APPLICATION NUMBER: US 60/292,335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 9;
. 1.5;
                                                                                                                   DB 9;
1.5;
                                                                                                                     Score 22; DB 9; Pred. No. 1.5; 0; Mismatches
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Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/297,523
PRIOR PILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/298,925
PRIOR FILING DATE: 2001-06-19
PRIOR APPLICATION NUMBER: US 60/303,810
PRIOR APPLICATION NUMBER: US 60/303,810
PRIOR FILING DATE: 2001-07-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1498, Application US/10152319A
Publication No. US20040072160A1
GENERAL INFORMATION:
APPLICANT: Mendrick, Donna
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          808 GCTGCTGCTGCTGCCGCCGTCG 829
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                                                                                                                                                                                                       808 GCTGCTGCTGCCGCCGTCG 829
                                                                                                                                                                                                                                        51 GCTGCTGCTGCCGCCGTCG 72
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100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Application US/09828366 Patent No. US20020010137A1 GENERAL INFORMATION:
                                                                                                          1.9%; Scor-
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Geneticch, Inc.
APPLICANT: Ashkenazi, Avi
APPLICANT: Goddard, Audrey,
APPLICANT: Gurney, Austin L.
APPLICANT: Klein, Robert D.
APPLICANT: Wood, William I.
APPLICANT: Wood, William I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 22; Conservative
                                                                                                                         Query Match 1.9
Best Local Similarity 100.
Matches 22; Conservative
                                       TYPE: DNA
ORGANISM: Homo sapiens
US-09-220-920-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
CORGANISM: Homo Sapien
US-09-828-366-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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US-10-152-319A-1498
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US-09-828-366-15
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SEQ ID NO 65
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Sequence 65, Application US/09220920

Sequence 65, Application US/09220920

Sequence 65, Application US/09220920

Sequence 65, Application US/09220920

Setent No. US200200226941

APPLICANT: Milbrandt, Jeffrey D.

APPLICANT: Milbrandt, Jeffrey D.

APPLICANT: Milbrandt, Jeffrey D.

TILE OF INVENTION: Artemin, A No. US2002002269Alel Neurotrophic Factor

TILE OF INVENTION: Artemin, A No. US2002002269Alel Neurotrophic Factor

CURRENT APPLICATION NUMBER: US/09/220, 920

CURRENT FILING DATE: 1998-12-24

SARLIER FILING DATE: 1998-11-12

EARLIER APPLICATION NUMBER: 60/108,148

EARLIER FILING DATE: 1998-11-12

SARLIER FILING DATE: 1998-11-22

NUMBER OF SEQ ID NOS: 120

SOFTWARE: Patentin Ver. 2.0
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100.0%; Pred. No. 1.5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Expressed Sequences of Arabidopsis TITLE OF INVENTION: Expressed Sequences of Arabidopsis FILE REFERENCE: 2023US (PARA-012PRV)
CURRENT APPLICATION NUMBER: US/09/770,445
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: US 60/178,472
PRIOR FILING DATE: 2000-01-27
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              821 CCGCCGTCGTTGTTGTGCTGC 842
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                                 807 CGCTGCTGCTGCCGCCGTCG 829
                                                                         156 céchéchéchéchécécérce 134
                                                                                                                                                                                 Sequence 930, Application US/09770445 Patent No. US20020023281A1
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100.08; FLU
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Matthew, Abraham V.
Ledford, Brooke L.
Woessner, Jeffrey P.
Haas, William David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA CREANISM: Arabidopsis thaliana US-09-770-445-930
                                                                                                                                                                                                                                                                       An, Yong-Qiang
Hamilton, Carol M.
Price, Jennifer L.
Raines, Tracy M.
                                                                                                                                                                                                                                                                                                                                                           Yu, Yang
Rameaka, Joshua G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Davis, Keith R.
Allen, Keith
Hoffman, Neil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Garcia, Carlos A
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Best Local Similarity 100.0
Matches 22; Conservative
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US-10-767-701-28842/c

Sequence 28842, Application US/10767701

Publication No. US20040172684A1

FURICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement

FILE REFERENCE: 38-21(53535)B
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 493;
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1.8%; Score 21; DB 15; Length 550;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                    TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: PROM VARIOUS CDNA LIBRARIES FILE REPERRNGE: 20411-756 CURRENT APPLICATION NUMBER: US/09/918,995 CURRENT FILING DATE: 2001-07-30 PRIOR PELLOR TOWNER: 1999-011-20 NUMBER OF SEQ. DI NOS: 38654 SOFTWARE: FastSEQ for Windows Version 3.0 SEQ. ID NO: 1051
                                                                                                                                                                                                                                                                                                                                                                                                                                        1.8%; Score 21; DB 10;
100.0%; Pred. No. 5;
tive 0; Mismatches 0
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ORGANISM: Homo sapiens
FEATURE:
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Best Local Similarity
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Sequence 41506, Application US/10437963

Publication No. US2004012334341

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Cao, Yongwei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Buckharov, Andrey A.

APPLICANT: Buckharov, Andrey A.

APPLICANT: Buckharov, Andrey A.

APPLICANT: Buckharov, Andrey A.

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE OF EXPERIENCE: 39-21(53221)B

CURRENT FILING DATE: 2003-05-14

NUMBER OF SEQ ID NOS: 204966

SEQ ID NO 41506
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PRIOR APPLICATION NUMBER: US 60/303,807

PRIOR PELING DATE: 2001-07-10

PRIOR PELING DATE: 2001-07-10

PRIOR PLILING DATE: 2001-07-10

PRIOR FILING DATE: 2001-08-28

PRIOR PLING DATE: 2001-08-28

PRIOR PLING DATE: 2001-09-27

PRIOR PLING DATE: 2001-09-27

PRIOR PLING DATE: 2001-09-27

PRIOR PLING DATE: 2001-09-27

PRIOR PLING DATE: 2001-10-01

PRIOR PLING DATE: 2001-10-02

PRIOR PLING DATE: 2001-10-02

PRIOR PLING DATE: 2001-10-22

PRIOR PLING DATE: 2001-10-22

SEQ ID NOS: 2221

SEQ ID NO 14998
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1.8%; Score 21; DB 17; Length 462;
Best Local Similarity 100.0%; Pred. No. 5;
Matches 21; Conservative 0; Mismatches 0; Indels
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US-10-437-963-41506
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Best Local Similarity 100.0%; Pred. No. 1.5
Matches 22; Conservative 0; Mismatches
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Publication No. US20030073623A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95 GCTGCTGCTGCTGCCGTCG 116
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US-09-918-995-11051/c
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1.8%; Score 21; DB 13; Length 3362;
100.0%; Pred. No. 5.1;
tive 0; Mismatches 0; Indels (
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GENERAL INCORPATION

APPLICANT: Mortis, David W.

APPLICANT: Engelhard, Eric K.

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR TITLE OF INVENTION: CANCER FILE REFERENCE: 529452000122

CURRENT APPLICATION NUMBER: US 09/147,377

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 2059

SOFTWARE PRESERE FEASTER FOR WINDOWS VERSION 4.0

SEQ ID NO 185

LENGTH: 3362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/EX: modified_base
LOCATION: (1423)
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: (1352) _
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LOCATION: (1535) _
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                                           other or unknown
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c, g, other or unknown
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Publication No. US20020182586Al
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 21; Conservative
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LOCATION: (1346)
OTHER INFORMATION: a, t,
        OTHER INFORMATION: a, t,
                                                                     LOCATION: (1146)
OTHER INFORMATION: a, t,
                                                                                                                                                                           INFORMATION: a, t,
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OTHER INFORMATION: a, t,
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CORGANISM: Mus musculus
US-10-087-192-185
                                              NAME/KEY: modified_base
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NAME/KEY: modified_base
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US-10-087-192-185/c
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APPLICANT: HINZMANN, BERND
APPLICANT: SCHAFER, REINHARD
APPLICANT: ZUBER, REINHARD
APPLICANT: ZUBER, OLEG
APPLICANT: TCHE-NITSE, OLEG
APPLICANT: TCHE-NITSE, OLEG
APPLICANT: HELLARGEL, MARTIN
APPLICANT: SERS, CHRISTINE
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APPLICANT: SERS, CHRISTINE
APPLICANT: SERS, CHRISTINE
TILLE REFERENCE: ALBER-14
FILLE REFERENCE: ALBER-14
CURRENT APPLICATION NUMBER: US/09/930,213
CURRENT FILING DATE: 2001-01-31
PRIOR PILLORION NUMBER: DE 10004102.7
PRIOR FILLING DATE: 200-01-31
NUMBER OF SEQ ID NOS: 885
SOFTWARE: PatentIn Ver: 2.1
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OTHER INFORMATION: a, t, c, g, other or unknown
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               CURRENT APPLICATION NUMBER: US/10/767,701
CURRENT FILING DATE: 2004-01-29
NUMBER OF SEQ ID NOS: 63128
SEQ ID NO 28842
LENGTH: 602
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US-10-767-701-28842
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Publication No. US20030170625A1
GENERAL INFORMATION:
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OTHER INFORMATION: a, t,
FEATURE:
                                                                                                                                                  ORGANISM: Sorghum bicolor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LOCATION: (492)
OTHER INFORMATION: a, t,
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OTHER INFORMATION: a, t,
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Best Local Similarity
Matches 21; Conserv
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US-09-930-213-20/c
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LENGTH: 1558
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Search completed: September 15, 2004, 07:20:16 Job time : 626.393 secs

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GenCore version 5.1.6
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OM nucleic - nu	OM nucleic - nucleic search, using sw model
Run on:	September 14, 2004, 20:48:25; Search time 4800.11 Seconds (Without alignments) 10546.560 Million cell updates/sec
Title: Perfect score: Sequence:	US-09-729-264-3 1168 1 agtgatcatggtggcaggaggtaatacaactgtagtatag 1168
Scoring table:	OLIGO NUC Gapop_60.0 , Gapext 60.0
Searched:	3470272 seqs, 21671516995 residues
Word size :	0
Total number of	Total number of hits satisfying chosen parameters: 6784142
Minimum DB seq Maximum DB seq	Minimum DB seq length: 16 Maximum DB seq length: 2000000000
Post-processing	Post-processing: Listing first 45 summaries
Database :	GenEmbl: *

GenEmbl:*

1: gb_ba:*

2: gb_lng:*

4: gb_on:*

5: gb_ov:*

6: gb_pa:*

7: gb_pi:*

8: gb_pi:*

10: gb_ro:*

10: gb_ro:*

11: gb_sy:*

12: gb_sy:*

13: gb_un:*

14: gb_pi:*

15: gb_ov:*

16: em_fun:*

17: em_fun:*

18: em_fun:*

18: em_fun:*

19: em_on:*

22: em_ov:*

22: em_ov:*

22: em_ov:*

23: em_pi:*

24: em_pi:*

25: em_pi:*

25: em_pi:*

26: em_ro:*

27: em_ets:*

28: em_pi:*

29: em_vi:*

29: em_vi:*

29: em_vi:*

29: em_tig_inv:*

31: em_htg_inv:*

31: em_htg_on:*

32: em_htg_on:*

33: em_htg_on:*

34: em_htgo_mun:*

35: em_htgo_mun:*

36: em_htgo_mun:*

37: em_htgo_mun:*

38: em_htgo_mun:*

39: em_htgo_mun:*

40: em_htgo_mun:*

Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

* sult Query No. Score Match Length DB ID Description	1 1168 100.0 1168 6 AX380398 AX380398 AX380398 3 976 83.6 1240 6 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380400 AX380402 AX380402 AX380402 AX380402 AX380402 AX380402 AX380402 AX380402 AX380402 AX380402 AX380402	319 27.3 340000 9 HS2IC080 AL163280 145 120.6 182532 9 CH179K04 AL954228 120.6 182532 9 CH179K04 BS000162 100 8.6 199665 9 AR064857 AR064857 AR064860 25 2.1 6470 3 AR064860 AR0690820 AR064860 24 2.1 8152 3 DMTCC 24 2.1 8152 3 DMTCC 24 2.1 77137 3 AC004422 AC004422 AC004422	19 24 2.1 148102 8 AP003329 ACC0009 Drosophil 20 24 2.1 169931 3 ACC008321 AP002843 AP002843 AP002843 AP002843 Cryza sat 2.1 169931 3 ACC090321 ACC08321 ACC08321 Drosophil 23 24 2.1 168984 3 ACC099022 ACC08321 Drosophil 24 2.1 268984 3 AEC003281 ACC099022 Drosophil 25 23 2.0 1155 10 AE537215 AEC003581 Drosophil AEC003581 AEC003581 AEC003581 AEC003581 ACC00047 ACC00047 Brosophil 27 23 2.0 124612 2 ACC20047 ACC00047 Drosophil 29 23 2.0 124612 2 ACC2047 ACC00047 Drosophil 29 23 2.0 124612 2 ACC2045 ACC0047 ACC00047 Brosophil 23 2.0 149964 2 ACL20145 ACC00145	23 2.0 181510 2 AC120345 23 2.0 186030 8 CNSO8C7W 23 2.0 196030 2 AC120345 22 2.0 332029 3 AE003491 22 1.9 646 8 BT005060 22 1.9 757 8 BT004026 22 1.9 1200 6 A92047 22 1.9 1203 6 BD551402 22 1.9 1203 6 BD551402 22 1.9 1203 6 BD551402 22 1.9 1203 6 BD15081 22 1.9 1203 6 BD137012	SULT 1 380398 AX380398 AX380398 TRINITION Sequence 3 from Patent W00200710. CESSION AX380398.1 GI:19575328 YWORDS URCE Homo sapiens (human) ORGANISM Homo sapiens EREBRICE 1 Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. ATHORS W-Icher, A.A., Sarmiento, U.M., Schultz, H.J. and Chute, H.T.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                            CTGCTGCCGTTGTTCTTCTGCTGTAGAAAAAAAGAGATTTCGTATTCAAAAA
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B7-like molecules and uses thereof
Patent: WO 0200710-A 1 03-JAN-2002;
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AX380396
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91 AGTCCTGAAGGGCTCCCAGGCT 	OY 271 CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG 330 Db 278 CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG 337 OY 331 CCTGCATGGATCCTTACCTTACCTTATTGGGAGACTGTTCATTCCAGTGT 390 Db 338 CCTGCATGGATCTTACCTTACCTTATTATTGGAGAGCTGTTCATTCCAGTGT 397 OY 391 TAATCTTGTAGTCGTTACCTTACCTTCAAGTTATTGGAGAGCTGTTCCATTCCAGTGT 397 OY 392 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCACCTCACACTGGAC 450	QY 451 CTGGCTCCCGGATATTTCCTGGGAGCTCGGTCCCTGGTCAGCCATTCAAGCTATTATT 510 DD 458 CCGGCTCCCGGATATTTCCTGGGAGCTCGGTCCTGGTCAGCCATTCAAGCTATTATT 511 TGTTCCGGAGCTCCTGGAGCTCCTGGTCCTGGCCATTCAAGTTATT 517 QY 511 TGTTCCGGAGCTCTGAAGTGCAGTGAGCATCTGGACCCCCACAGAG 570 DD 518 TGTTCCGGAGCTTGCAGGAGCTTCAAAGTGCAGTGAGCATCTGGACCCCCACAGAG 570 QY 571 CAATGGACTTGACTTGCAGAGAGCCTGAAGAGCCCGCAAGAGCGAGC	631 TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACCTGGAGTGGTATTAATATTCCAGG [CCATGCTTCTGACGCGACGTGTACTCTTACAATACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT		1 TAGCTGTGGCCCTCCTC

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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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B7-like molecules and uses thereof
Patent: WO 0200710-A 7 03-JAN-2002;
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AX380402
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AK092516
1002 appiens CDNA FLJ35197 fis, clone PLACE6017788, highly similar
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Submitted (04-JUL-2002) Takao Isogai, FLJ Project (HRI Team); 2-6-7

Razusaa-Kamatari, Kisarazu, Chiba 292-0812, Japan

Razusaa-Kamatari, Kisarazu, Chiba 292-0812, Japan

Remail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)

NEDO human cDNA sequencing project supported by Ministry of

Bconomy, Trade and Industry of Japan; CDNA full insert sequencing:

Construction: Helix Research Institute (HRI) (supported by Japan

Key Technology Center etc.); 5'- & 3'-end one pass sequencing:

Ray Technology Center etc.); 5'- & 1'-end one pass sequencing:

Ray and Siotechnology Center. National Institute of Technology and

RAB; annotation; HRI and RAB.
                                                                                                                                                                              Kawakami, B., Sugiyama, A., Takemoto, M., Sugiyama, T., Irie, R., Otsuki, T., Sato, H., Wakamatsu, A., Ishii, S., Yamamoto, J., Isono, Y., Kawai-Hio, Y., Satlo, K., Nishikawat, T., Kimura, K., Yamashita, H., Matsuo, K., Nakamura, Y., Sekine, M., Kikuchi, H., Kanda, K., Sekine, M., Kikuchi, H., Kanda, K., Oshima, M., Murakawa, K., Kanehori, K., Takahashi-Fujii, A., Oshima, A., Suzuki, Y., Sugano, S., Nagahari, K., Masuho, Y., Nagai, K. NEDO human cDNA sequencing project
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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83.6%; Score 976; DB 9; Length 2051;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1076; Conservative 0; Mismatches 2; Indels
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Homo sapiens (human)
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /tissue type="placenta"
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gai, T. and Yamamoto, J.
                                                                 AK092516.1 GI:21751130
                               to IGSF5.
AK092516
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/note="GRAIL, score = 86.000%, comment = excellent shadow"
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/rpt family="MLTII"
/rpt family="MLTII"
                                                                                      PRI 02-FEB-1999
                                                                                                                                                                                           Eukaryota, Metazoa; Chordata, Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 142742)
Taudien, S., Dagand, B., Hildmann, T., Nordsiek, G., Drescher, B.,
Schattevoy, R., Weber, J., Schilling, M., Menzel, U., Yaspo, M.L. and
                                                                                                                                                                                                                                                                                             Direct Submission
Submitted (21-2AN-1999) Genome Analysis, Institute for Molecular
Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany
Location/Qualifiers
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                                                                                      AF121782
Homo sapiens chromosome 21g22.3 PAC 206A10, complete sequence.
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/note="GRAIL, score = 99.000%,
CGTTGTTGTTTCTGCTGTAGAAGAAAAGAGA 873
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /evidence=not experimental complement (1693. .1741) /evidence=not experimental /rpt family="WIR" complement (1780. .2326)
                                                                                                                                                                                                                                                                                                                                                                                                                             /map="21q22.3"
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3. 118
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/rpt family="MIR"
complement(140. .415)
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/lpt_family="MLTLU"
/exi
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1576_ :1710
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complement(1078..1162)
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/organiam="Homo sapiens"
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3012. .3122
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                                                                                                                                                                    Homo sapiens (human)
Homo sapiens
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ILNNETVAVALLTSGLINVHPGQQVIHRLLLIMPVLRRSVIQL"
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/evidence=not_experimental complement(1322613364) /evidence=not_experimental					1	complement (15469. 15497) /note="Xound exon prediction ecore 2.5% /0%\"	/evidence=not_experimental	/evidence_not_experimental /rpL_family=/WBR21A, complement(16.55, 16.55,			/rpt family="Mmsrs.ricar n complement(1685117208)			/cv.tence.noc.experimental /rpt_family="MgR34" n_complement(1752)			/evidence=not_experimental /rnt_familv="T_np17"		/rpc_family="HERV17" 1835218420	<pre>/note="GRAIL, score = 51.000%, comment = good shadow" /evidence=not_experimental</pre>	<pre>complement(1839718584) /note="GRAIL, score = 66.000%. comment = cond"</pre>	/evidence=not_experimental complement(1864324647)	/evidence=not_experimental /rpt_family="HERV17"	<pre>complement(19228, .19361) /note="MZBF, score = 92 8%"</pre>	/evidence=not_experimental 2090021135	<pre>/note="MZEF, score ≈ 51.4\$" /evidence=not experimental</pre>	2115021275 //	Similarity 100.0%; Pred. No. 3.5e-176;	Onservative 0; Mismatches 0; Indels 0; Gaps 0;	GGTTCTGGGTCTGGTAATGAAGTCATAGAGGCCCCCAAAATGCAAGAGTCCTGAAGGGC 103 		
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

Butheria; Butheria; Primates; Catarrhini; Hominidae; Homo.

Batheria; Toyoda, A., Taylor, T.D., Watanabe, H., Yada, T., Park, H.S., Toyoda, A., Ishii, K., Totoki, Y., Choi, D.K., Soeda, E., Ohki, M., Takagi, T., Sakaki, Y., Taudien, S., Hechschmidt, K., Polley, A., Menzel, U., Delabar, J., Kumpf, K., Lehmann, R., Polley, A., Reschandi, R., Rump, A., Schillhabel, M., Schudy, A., Patterson, D., Reichwald, R., Rumpf, T., Nagamine, K., Mitsuyama, S., Antonarakis, S.E., Minoshima, S., Schen, O., Desario, A., Reichelt, J., Kauer, G., Blocker, H., Ramser, J., Beck, A., Klages, S., Hennig, S., Riesselmann, L., Dagand, E., Wehrmeyer, S., Borzym, K., Antonarakis, M., Natelic, D., Francis, F., Lehrach, H., Reinhardt, R. and
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (05-MAY-2000) The Chromosome 21 Mapping and Sequencing Consortium: * RIKEN Genomic Sciences Center, Human Genome Research Group * Institute of Molecular Biotechnology, Genome Analysis * Keio University School of Medicine, Dept. of Molecular Biotechnology Genome Analysis * Max-Planck Institute for Molecular Generatics (addresses see below)
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* RIKEN Genomic Sciences Center, Human Genome Research Group, *
Sagamihara 228-855, Japan,
* e.mail: sakaki@gsc.riken.go.jp
* URL: http://hgp.gsc.riken.go.jp/
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* Mascheroder Weg 1, D-38124 Braunschweig, Germany, * e.mail:
info.genome@gbf.de
* URL: http://genome.gbf.de/
             AGTGACATGGTGGTGGTGAGGCGTCAGGCCCATGGAGCCCATCATCACCAATGACGGCTTC
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Beutenbergstrasse 11, D-07745 Jena, Germany,
* e.mail: gscj-submit@genome.imb-jena.de
* URL: http://genome.imb-jena.de/
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* Ihnestrasse 73, D-14195 Berlin, Germany,

* e.mail: info-chr21@molgen.mpg.de
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Homo sapiens chromosome 21 segment HS21C080.
AL163280 AP001735 BA000005
AL163280.2 GI:7717369
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• e.mail: shimizu@dmb-med.keio.ac.jp
• URL: http://adenine.dmb.med.keio.ac.jp/
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JOURNAL
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VERSION
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HS21C080
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268454 GGTICTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAAAATGCAAGAGTCCTGAAGGGC 268513
                                                                                                                                                                                     268694 GACCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCT 268753
                                                              ..
0
                                                                                      44 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCCAAAATGCAAGAGTCCTGAAGGGC 103
                                                                                                                                                            104 TCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATGTGGGGCTCTC 163
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CH179K04

182532 bp DNA linear PRI 16-OCT-2003
Pan troglodytes chromosome 22 BAC CH251-179K04, complete sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Unpublished

2 (bases 1 to 182532)
Scharfe,M., Berg,C., Conrad,A., Hornischer,K., Loehnert,T.H.,
Ludewig,M., Thies,S., Weber,K. and Bloecker,H.
Direct Submission
Submitted (03-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, E-mail: info:genome@gbf.de
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
1 (bases 1 to 182532)
                                                                                                                                                                                                                                    164 AGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACGCTTC
                                                                                                                                                                                                                                                                                                                 224 ACCICICAGAGGIACGACCAGGGGGGGAACTICACCTCGGAGATGATCATCCACAATGTG
                                                                                                                                                                                                                                                                                                                                                                                         284 GAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCT
                                                            Gaps
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0
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Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q30
Consensus quality: 0 bases at least Q20
Estimated insert size: ##; agazose-fp estimation
Estimated insert size: 182532; sum-of-contigs estimation
                       Length 340000;
                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The Chimpanzee Chromosome 22 Sequencing Consortium Chimpanzee chromosome 22 genomic sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequencing vector: ###;
Chemistry: Dye-terminator-amersham: ##% of reads
Chemistry: Dye-primer-amersham: ##% of reads
               27.3%; Score 319; DB 9; Le
100.0%; Pred. No. 3.6e-176;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Center project Information
Center project name:
Center clone name: CH251-179K04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ---- Summary Statistics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Web site: http://genome.gbf.de/
Contact: info.genome@gbf.de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Pan troglodytes (chimpanzee)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ---- Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     344 GCTTACCTTACCGTCCAAG 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Center: GBF, Braunschweig
Center code: GBF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AL954228.1 GI:37619870
         Query Match
Best Local Similarity 100.0
Matches 319; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Shanghai, China
Taiwan;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pan troglodytes
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DEFINITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACCESSION
VERSION
KEYWORDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE
JOURNAL
REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AUTHORS
CONSRIM
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JOURNAL
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CH179K04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AUTHORS
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                                 /product="21-Glutamic Acid Rich protein 21-GARP"
protein id="CAB9045.1"
db xref="G1:717370"
/db_xref="G0A:P55822"
/db_xref="Syss2"
/cb_xref="Syss2sPOT:P55822"
/translation="SSEKABEGGETBAQKEGSEDVGNLPEAQEKNEEEGETATEETEE
IAMEGAEGEAEBEETAAEGBEDEDS"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /rpt_family="Simple_repeat"
/rpt_type=TANDEM
complement(11002, .11282)
/note="AluSp"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /rpt_type=DISPERSED
complement(10430. 10651)
/note="L2"
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/note="AluSx"
/rpt_family="SINE/Alu"
/rpt_type=DISPERSED
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/rpt_type=DISPERSED
complement(9723. .9882)
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/rpt_type=DISPERSED
complement(11315..11556)
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/rpt_type=DisperseD
complement (13598, 13892)
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/rpt_type=DISPERSED
complement(9989, .10077)
/note="L2"
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                                                                                                                                                                                                                                                                                                                                        /rpt_family="LINE/L1"
/rpt_type=DISPERSED
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complement (8865. .8964)
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/rpt_type=DISPERSED
9131. .9424
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/rpt_type=DISPERSED
11702..11753
/note="MIR"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /rpt_family="SINE/MIR"
/rpt_type=DISPERSED
12649. .12678
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                                                                                                                                                                    3473. .3565
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                                                                                                                                                                                                                                                                                                                                                                                               'note="AluJo"
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Source information:
The PTB1 chimpanzee BAC library was prepared from DNA isolated from
cultured cells established from the blood of a single male
                                                                                                                                                                                                                                                                                                                    Chromosome 22 Sequencing Project
                                                                                                                                                                                                                                                                                                                                  Sequencing vector: DUC118; 100% of reads
Chemistry: Dye-terminator Big Dye and dGTP; 100% of reads Assembly
program: Phrap; version 0.990329
Consensus quality: 156,231 bases at least 040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence Quality Assessment:
This entry has been annotated with sequence
estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality zero.
Quality levels above 40 are expected to have less than 1 error in
*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute of Molecular Biotechnology, Jena, Germany; *KRIBB Genome Research Center, Daeleon, Korea;
*Max-Planck-Institute for Molecular Genetics, Berlin, Germany; *National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This sequence was finished as follows unless otherwise noted: all
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61 CAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           533 CAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTGACTTGCGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        473 GAGCICGGICTCCIGGICAGCCAIICAAGCIAIIAITITGIICCGGAGCCCAGCGACCII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Neighboring clones: CH251-179K04(left) and PTB-103H04(right).
Location/Qualifiers
1. 156288
/organism="Pan troglodytes"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                an attempt was made to resolve all sequencing problems, such compressions and repeats; all regions were covered by at one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Clones may be obtained from Asao Fujiyama and co-workers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 156288;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                      156,231 bases at least Q40
156,288 bases at least Q30
156,288 bases at least Q20
                                                                                                                                                                *RIKEN Genomic Sciences Center, Yokohama, Japan.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;;
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3.4e-73;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /clone="PTB-060F12"
/clone_lib="PTB1 chimpanzee BAC"
                                                                                                                                                                                                     Center: National Institute of Genetics
Center code: NIG
Web site: http://saver.lab.nig.ac.jp/
Contact: naitou@genes.nig.ac.jp
Contact: naitou@genes.nig.ac.jp
Center project Information
Center project name: The Chimpanzee Chromo
Center clone name: PTB-060F12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Subclone or more than one M13 subclone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 12.4%; Score 145; DB Best Local Similarity 100.0%; Pred. No. 3.49 Matches 145; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mol_type="genomic_DNA"
/db_xref="taxon:9598"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (http://www.gsc.riken.go.jp).
VECTOR: pKS145
                                                                                                                                                                                            Genome Center
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /chromosome="22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Consensus quality:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Consensus quality:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       10,000 bp.
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Direct Submission

Direct Submission

Submitted (15-MX-2003) Naruya Saitou, National Institute of
Genetics (NIG), Division of Population Genetics: 1111 Yata,

Mishima, Shizuoka 411-8540, Japan (E-mail:nsaitou@genes.nig.ac.jp,

URL:http://Sayer.lab.nig.ac.jp/, Tel:81-55-981-6790,

Fax:81-55-981-6789)

The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
*Chinese National Human Genome Center at Shanghai, Shanghai, China;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BS000162 156288 bp DNA linear PRI 07-0CT-2003 Pan troglodytes chromosome 22 clone:PTB-060F12, map 22, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           540
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     480
                                                                 + Analysis and annotation were performed with the automatic + Analysis and annotation were performed with the automatic + 'first-pass' annotation and submission tool + 'AnnoMitter' (Hornischer & Bloecker). + Programs used by 'AnnoMitter': + +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
                                                                                                                                                                                  /chromosome="22"
/clone="CH251-179K04"
| . .182532
|/note="assembly_fragment.clone_end:T7~vector_side:left
assembly_fragment.clone_end:SP6~vector_side:right"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 541 AGRGAGCALCCIGGCICTGACCCCACAGAGCAAIGGGACTITGACTIGGCTGCCTACCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               361 AGTIANGGGAGAGCIGIICAIICCCAGIGIIAAICIIGIAGICGCIGAGAAIGAACCIIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGAAGTTACTTGTCTACCCTCACACTGGACCTGGCTCCCGGATATTTCCTGGGAGCTCGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTTCAAAGTGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 (bases 1 to 156288)
Saitou, N., Kim, C., Kitano, T., OOta, S., Shimada, M., Kryukov, K.,
Tomiki, T., and Kohara, Y.
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DNA sequence of chimpanzee chromosome 22 and its evolutionary
implications
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Pred. No. 5.1e-130;
0; Mismatches 1; Indels 0;
                                                PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
                                                                                                                                                                                                                                                      /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db xref="taxon:9598"
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llarity 99.7%;
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				<pre>ion 1937@19470 /note="homology = 81.70%, score = 28, counts = 3" /evidence=not experimental // triple = 10.00</pre>											.c.s.s.cess. /evidence=not /rpt_family="AluSq"		<u> </u>								/evidence=not_experimental /rpt_amily="THB1B" n=34543		/rpt_type=tandem /rpt_unit="tttccagaaaagaatacgtactttaggca"
repeat_region	repeat_region	repeat_region	repeat_region	repeat_region	repeat_region	repeat_region	repeat_region	repeat_region	repeat region		repear_region	repeat_region	repeat_region	reneat readon		repeat_region	repeat_region	repeat_region	repeat_region	repeat region	1	repeat_region	repeat_region	repeat_region	repeat region	1	
Db 121 GCTACCTGGAAGAGCCTGAAGGCCC 145	T 11 857	LOCUS AF064857 DEFINITION Homo sapiens BAC derived from chromosome 21q22.3, complete sequence, containing PEP19 (PCP4) gene. ACCESSION AF064857	S	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo. Althurose 1 to 19965)		0			repeat_region complement(1383) Gardenote=not experimental /rof family-#In=	repeat_region 747814 /evidence=not_experimental	repeat_region complement(1345, .1500)	/evlocation=noc experimental /rpt_family="IlPA4" repeat region 1499 1500	/evi /rpt	repeat_region complement(15842179) /evidence=not_experimental	repeat_region /1pc_lantly="blpA2" 2174. 3405 /evidence=not experimental	/rpt_family="LIPA2" repeat_region 3388 .3454	/evidence=not_experimental /rpt_family="I_lp" repeat_region 39684086	/evid /rpt_	101631-	repeat_region 66716969 / evidence experimental	repeat_region	/rpt_family="MBR2" repeat_region complement(73877491)	/evidence=not_experimental /rpt_family="LimE3A" repeat_region 7781 0000	/evid	repeat_region 86508823 Federal	repeat_region /rpr_raminf="lin720" /evidence=not_experimental	/rpt_family="L2"

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Pan troglodytes (chimpanzee)
Pan troglodytes
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Pan.
Mammalla; Euteleostome 22 Sequencing, Consortium.
The Chimpanzee chromosome 22 Sequencing, Consortium.
Chimpanzee chromosome 22 genomic sequence
(Thimpanzee chromosome 22 genomic sequence
Unpublished
Li Chases 1 to 192219)
Scharfe, M., Berg, C., Conrad, A., Hornischer, K., Loehnert, T.H.,
Ludewig, M., Thies, S., Weber, K. and Bloecker, H.
Direct Submission
Li Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
On Nov 19, 2003 this sequence version replaced gi:38228900.
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
China Chimpanzee Chromosome 22 Sequencing Consortium consists of:
China Chimpanzee Chromosome 22 Sequencing Consortium consists of:
China Chimpanzee Chromosome 22 Sequencing Consortium consists of:
China Chimpanzee Chromosome 22 Sequencing Consortium consists of:
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               RP43002119 192219 bp DNA linear PRI 19-NOV-2003
Pan troglodytes chromosome 22 BAC RP43-002119, complete sequence.
AL95427
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*GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute
of Molecular Biotecnology, Jena, Germany; *KRIBB Genome Research

    192219
    note="assembly_fragment~clone_end:T7~vector_side:left assembly_fragment~clone_end:SP6~vector_side:right"

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*Max-Planck Institute for Molecular Genetics, Berlin, Germany;
*National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
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Consensus quality: 0 bases at least Q30
Consensus quality: 0 bases at least Q30
Consensus quality: 0 bases at least Q30
Estimated insert size: ##; agarose-fp estimation
Estimated insert size: 192219; sum-of-contigs estimation
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Chemistry: Dye-primer-amersham: ##% of reads
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PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
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/mol_type="genomic DNA"
/db_xref="taxon:9598"
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Center project name:
Center clone name: RP43-002119
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/clone="RP43-002119"
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                                                                                                                                                                        AL954227.3 GI:38453654
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/rpt unit="aaaacacttcactttgtcttcaaaactgctc"
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complement (40243. 40542)
evidence=not experimental
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40543. 41180
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/complement (46.792. .47084)
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39552. 39861
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39884. 40122
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/rpt_family="L2"
complement(42332. .42710)
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/evidence=not_experimental
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42138. .42317
                                                 /evidence=not_experimental
/rpt_family="MLT2CB"
complement(35924. 36345)
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us-09-729-264-3.olig.rge

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Gaps

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Indels

Pred. No. 4.8e-11; Mismatches 0;

100.08; Pic

46

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97137 CATGGTGGCAGGGCCATGGAAAATAGAGACCCACCCGGT 97176
                                                                                         7 CATGGTGGCAGGAGCCATGGAAAATAGAGACCCACCCGGT
                                                   40; Conservative
                          Local Similarity
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Battori,M., Fujiyama,A., Taylor,T.D., Watanabe,H., Yada,T., Parkyl,H.-S., Toyoda,A., Ishli,K., Totoki,Y., Choi,D.-K., Soeda,E., Ohki,M., Takagi,T., Sakaki,Y., Taudien,S., Blechschmidt,K., Soeda,E., Ohki,M., Takagi,T., Sakaki,Y., Taudien,S., Blechschmidt,K., Polley,A., Menzel,U., Delabar,J., Kumpf,K., Lehman,R., Polley,A., Menzel,U., Delabar,J., Kumpf,K., Lehman,R., Schudy,A., Zimmerman,W., Rosenthal,A., Kump,A., Schillhabel,M.B., Schudy,A., Shintani,A., Sasaki,T., Nagamine,K., Mitsuyama,S., Antonarakis,S.E., Minoshima,S., Shimizu,N., Nordsiek,G., Hornischer,K., Brandt,P., Schoen,J., Beck,A., Klages,S., Hennig,S., Riesselmann,L., Dagand,E., Haaf,T., Wehrmeyer,S., Boirdiner,K., Nizetic,D., Francis,F., Lehrach,H., Reinhardt,R. and Yaspo,M.Laure.

In Nature 405 (6784), 311-319 (2000)
                                                                                                    191622 GGGAACTTCACCTCGGAGATGATCATCCACAATGTGGAGCCCAGTGATTCGGGGGAACATC 191681
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Weber, J., Schattevoy, R., Yaspo, M.-L., Rosenthal, A., Yaspo, M.-L. and
Rosenthal, A.
                                                                         248 GGGAACTICACCICGGAGAIGAICAICCACAAIGIGGAGCCCAGIGAIICGGGGAACAIC 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
                                                                                                                                                                                                                                                                                                             AF064860 170121 bp DNA linear PRI 05-MAR-20
Homo sapiens chromosome 21 clone PAC 70124 map 21q22.3, complete
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Submitted (12-MAY-1998) Genome Analysis, Institute of Molecular Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany 6 bases 1 to 170121)
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Submitted (05-MAR-2002) Genome Analysis, Institute of Molecular
Biotechnology, Beutenbergstr. 11, Jena 07745, Germany
On Feb 27, 2002 this sequence version replaced gi:3171153.
Location/Qualifiers
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Submitted (27-FEB-2002) Genome Analysis, Institute of Molecular
Biotechnology, Beutenbergstr. 11, Jena 07745, Germany
4 (bases 1 to 170121)
Rump, A., Dagand, B., Hildmann, T., Nordsiek, G., Drescher, B.,
Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A.
                                            Gaps
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                 Pred. No. 5.5e-30; 
; Mismatches 0;
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/map="21q22.3"
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100.08; PIE
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Homo sapiens (human)
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                                      Conservative
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             Best Local Similarity
Matches 72; Conser
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DB 9; Length 170121;

3.4%; Score 40;

Query Match

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INV 25-MAR-2003
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MBASNBOLKRAORBARDARDARVBRAEHRBEIRKRKELFNALLAQTLGGTSGARLES
COELOREGELLRRMSSQOROEROLDEDORORRNROOCOKOORLEADOWPYOQS
VRAQROGVTSSASSAYODBAGTWVBVVKGNORGNKONGVNLPOOSAGROAROHOUN
PHOONGQOOORMGIHQOEKRRPRKRPDEIVVVPAPGVSFKEMYVKIRTNPRIADFQ
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IDEEAIKKALMTTLGKQSLVATVNIMERRDMTKRARVRLPRAEAELVKDRRLEIGYTV
CSVHBAPKVSGQLTRCFRCLBRGHIAATCTGEDRSKRCLRCGDQTHKASGCTNEVKCM
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ADSRRQEGPSTRESGTRWRTRHFDAELFGVALDVASFTERVTSAESLERVMTEACDAA
MARVFPSQGHSGRPAYWWTPAIEVLCENCRLAKERLEAAIDEEEQIAAASDLLQVRTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /translation="MDKQLRGRTISVDERPAVVIRKLGSEKKLGTIVEEPSSAGVPAR
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MQRIDVLARGHPRVVFAGDLNAWHTAWGSCRTNAKGBAVVQLVDSLGLEVLNTGTAPT
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POHPPVDWPASPGGVLERGEEEPVRDVNEQELLDIASSLNFRKAPGLDGVPNAALTAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (26-AUG-2002) Kenji K Kojima, University of Tokyo, Department of Integrated Biosciences, Graduate School of Frontier Sciences; Bioscience Building 501, 5-1-5 Kashiwanoha, Kashiwa, Chiba 277-8562, Japan (E-mail:kX275136mail:ecc.u-tokyo.ac.jp, Tel:81-4-7136-3661, Fax:81-4-7136-3660)
авичивго 6470 bp DNA linear INV 25-MAR-
Anopheles gambiae retrotransposon R7Ag1 DNA, complete sequence.
AB090820
                                                                                                                                                                                                                                 Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
                                                                                                                                                                                                                                                                                                                                                              Kojima, K.K. and Fujiwara, H.
Evolution of Target Specificity in R1 Clade Non-LTR
                                                                                                                                                              Anopheles gambiae (African malaria mosquito)
Anopheles gambiae
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/note="ORF2"
/codon_start=1
/product="reverse_transcriptase"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mol_type="genomic DNA"
/db_xref="genomic DNA"
/db_xref="taxon:7165"
1. :647^n
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/protein_id="BAC57915.1"
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Kojima, K.K. and Fujiwara, H.
                                                                                                        AB090820.1 GI:28569877
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This clone was sequenced as part of a high-throughput process to sequence clones from Drosophila Gene Collection 1 (Rubin et al., Science 2000). The sequence has been subjected to integrity checks for sequence accuracy, presence of a polya tail and contiguity within 100 kb in the genome. Thus we believe the sequence to reflect accurately this particular cDNA clone. However, there artifacts associated with the generation of cDNA clones that may have not been detected in our initial analyses such as internal priming, priming from contaminating genomic DNA, retained introns due to reverse transcription of unspliced precursor RNAs, and reverse transcription of unspliced precursor RNAs, and reverse transcription of unspliced precursor RNAs, and reverse transcription of unspliced precursor RNAs, and reverse transcription bout this sequence, including its location and relationship to other sequences, please visit our Web site (http://fruitfly.berkeley.edu) or send email to location/Qualifiers
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Drosophila melanogaster (fruit fly)

Drosophila melanogaster (fruit fly)

Drosophila melanogaster

Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;

Roptera; Endopterygota; Diptera; Brachycera; Muscomorpha;

Ephydroidea; Drosophilidae; Drosophila.

Stapleton, M., Brokstein, P., Hong, L., Agbayani, A., Carlson, J., Stapleton, M., Chawez, C., Dorsett, V., Dresnek, D., Farfan, D., Frise, E., George, R., Gonzalez, M., Guarth, H., Kronmiller, B., Li, P., Liao, G., Miranda, A., Mungall, C.J., Nunco, J., Pacleb, J., Paragas, V., Park, S., Patel, S., Phouanenavong, S., Wan, K., Yu, C., Lewis, S.E., Rubin, G.M. and Celniker, S.

Direct Submission

Lawrence Berkeley National Laboratory, One Cyclotron Road, Berkeley, CA 94720, USA
IRKHTDI FKKLFQECLDNERFPDEWKKQKLALI PKPCKFPGLASSFRPILLLINNPGKV
YERLILSRINDVI EDPESPRIAENQYCFRRGRSTVQAI QLVVDAGSHAMSFGRTNNRD
KRCLLVVALDVRNARTYASWQCIATALEDKGVPRQLENJILRDYFANRELVYDTAGEVV
TRRYTARDVPGGSI LGFPLWNI NYDGVLRVELPBGGASVI GYADDI VVMARGCTPQEAAL
VAEQAVDA LAAWMEDHHLQALPEKTEGVMI SSLRRGQLKVPFRUGDTI INSKQSI RYL
GVQ IHDHLSWKPHVELSTAKALRVVGVVTAVWRNHSGPQVAKRLLAAVAESI IRYAA
PVWSRATDLQWCQKKLAQVQRFLARGYTSFYSVAVETGVALAGLU PPFLLIAREDARC
HRRLLAAPGASRKDI RLEERGGTFQEWQRAWDAAAAPTASRYAVWAHRHIDDLHLWM
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SRRHGSVDFHLSQVLYGEWGRYRELLESPERWNSI OGAARKITTKVLQQLMREDELQLNLQ
AHLAALDTRAAAVDAGPLGGSVSVDGVAGELFRSNRGRARRTRERRRREBERLULQ
SAMAAABREREDSI ILMAAWRAEGAGRAPPI PWRRRREBERRRRATVSVGVRE
VLSADALAAITEATTSGR."
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100.0%; Pred. No. 0.031;
tive 0; Mismatches 0; Indels
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Lawrence Berkeley National Laboratory
Berkeley, CA 94720
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ALIGNMENTS

RESULT 1

Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinfermatcory; dermatological; antipyroid; antiutor; antiallactic; antiallactic; antiallactic; antiallactic; antiallactic; antiallactic; antiallactic; antiallactic; cancer; antiacthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss. DNA encoding human B7-like protein, B7-L_h2. ABK13029 standard; cDNA; 1168 BP. (first entry) 23-APR-2002 ABK13029; ABK13029

Homo sapiens.

/product= "B7-like protein, B7-L h2" Location/Qualifiers ಥ .1168 /*tag=

WO200200710-A2.

03-JAN-2002.

28-JUN-2001; 2001WO-US020719.

28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264.

(AMGE-) AMGEN INC.

Chute HT; Schultz HJ, Welcher AA, Sarmiento UM,

WPI; 2002-130881/17. P-PSDB; AAU75541.

New B7-like polypeptides, polynucleotides and their modulators, ufor diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

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2; 135pp; English

421 TGAAGTTACTTGTCTACCCTCACACTGGACCTGGCTCCCGGATATTTCCTGGGAGCTCGG 480 . 0 Conservative Similarity Sest Local Simi Matches 1168; 181 241 241 301 301 361 361 Н 61 121 181 61 121 Query Match d ò q q ð g ò Db δ ò 셤 ò ð

The invention relates to an isolated b'-like (b/-u) polypeptide (l) are polypeptide, polynucleotide enroding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, conditions including reproductive disorders (e.g. infertility, and conditions including reproductive disorders of B7-L polypeptides are extracellular domains and other regulators of B7-L polypeptides are converted and converted of cancer cells based on the observation of growth and maintenance of cancer cells based on the observation of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer and cancers of heamatopoietic system. B7-L polypeptide cancer including seminal vesicle cancer, lung, brain, breast, response to the proposition of consistence of inseases and autoimmune diseases. B7-L molecules are useful or alleviating the symptoms associated with diseases involving correct or treat autoimmune diseases involving correct or treat autoimmune diseases and autoimmune diseases and autoimmune diseases and autoimmune diseases such as systemic immune thrombocycopenic purpura and psoriasis, chronic inflammatory of diseases such as inflammatory bowel diseases (convict or treat autoimmune diseases and culcerative colitis), Grave's disease, Hashimoto's thyroiditis and culcerative colitis), Grave's disease, Hashimoto's thyroiditis and corgan transplantation or to probong grave such as systemic diabetes mellitus. They are also useful for diag alleviation of total short by the collection at the collections, and for treatment of allergy, at the and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (drave's disease), various pneumopathies (extrinsiz alveolitis), vasculopathies, coeliac disease, anaemia, thrombocytopenias, guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human B7-Lh2 polypeptide (I). The invention relates to an isolated B7-like (B7-L)

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Gaps ; 0 DB 6; Length 1168; Seguence 1168 BP; 299 A; 302 C; 288 G; 279 T; 0 U; 0 Other; 0; Indels 100.0%; Score 1168; 100.0%; Pred. No. 0; Mismatches

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> 420 420 300 GAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCTGCTTACCTTACCGTCCA 360 240 120 120 180 9 9 **AGTTATGGGAGAGCTCTTCATTCCCAGTGTTAATCTTGTAGTCGCTGAGAATGAACCTTG** AGTTATGGGAGAGCTGTTCATTCCCAGTGTTAATCTTGTAGTCGCTGAGAATGAACCTTG CCAGGGCGGGAACTTCACCTCGGAGATGATCCACAATGTGGAGCCCAGTGATTCGGG CCAGGGGGAACTTCACCTCGGAGATGATCATCCACAATGTGGGAGCCCAGTGATTGGG TGAAGTCATAGAAGGCCCCCAAAATGCAAGAGTCCTGAAGGGCTCCCAGGCTCGCTTCAA CTGCACCGTCTCCCAGGGCTGGAAGCTCATGTGGGCTCTCAGTGACATGGTGGTGCT AAGCGTCAGGCCCATGGAGCCCATCATCAATGACCGCTTCACCTCTCAGAGGTACGA

1080 1080 1020 1140 1140 1020 900 720 480 1081 TCAACGICCACCAGCCAGCAAGICAICCACAGGCIICTITIAAICIGGCCAGICCIGA 961 cescriacialiticasaricaaciaaasaaccacasaacaccerrerererecerecers TGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA 1021 TGAATCCAGTGATCCTGAACAAAGAACAGTAGCTGTGGCCCTCCTCACCAGCGGCTGA TCAACGICCACCCAGGCCAGGCAAGICATCACAGGCTTCTTTAATCTGGCCAGICCTGA GACGIGIACITIACAATACGCIGCIGCIGCIGCCGCCGICGITGITGIGGCIGCAACIG CTGCTGCCGTTGTTTCTGCTGTAGAAGAAAAAGAGATTTCGTATTCAATTTCAAAA cieciecceiiciiteriicieciciaaaaaaaaaaaaaaaaaaaaaaaaicaaaiiicaaaaa GAAATCTGAAAAAGAGAAGAAAAAAAAAAACTGAGACAGAAAGTGGAAATGAAAACTC ricarriccraciridesecaaagrresacrresacrascacecaccarecricreacec GAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCA GAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCA AGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTTT TTCATTGCCTACTTGGGCCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCC TCTCCTGGTCAGCCATTCAAGCTATTATTTTGTTCCGGAGCCCAGCGACCTTCAAAGTGC rciccigaicagecaircaagerariairitairecegageceagegecricaagige AGTGAGCATCCTGGCTCTGACCCCCACAGAGCAATGGGACTTTGACTTGCGTGGCTACTG GAAGGICAGIAATACAACTGTAGTATAG 1168 1141 1081 661 721 781 841 841 901 901 961 1021 541 721 781 541 601 601 199 481 481

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ABK13028 standard; cDNA; 1175 ABK13028; ABK13028

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DNA encoding human B7-like protein, B7-L_hl.

(first entry)

23-APR-2002

Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitheumatic; antitheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antibyroid; antialcer; antiallergic; nentroprotropic; antibyroid; antialcer; antiallergic; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.

sapiens Homo

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Key
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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The useful for treating B7-like polypeptide-related disease, disorders or useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility)

CC miscariage, preterm labour and delivery and endometriosis) and miscariage, preterm labour and delivery and endometriosis) and conferration of the immune response to tumours. (I) plays a role in exeful for enhandriant endometriosis in transgenic mice overexpressing B7-L growth and maintenance of cancer cells based on the observation of polypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, polypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, pathway can be manipulated to regulate cytocoxic T-lymphocyte response in cestional ar cancer and cancers of haematopoietic system. B7-L polypeptide diseases and autoimmune diseases B7-L molecules are useful for alloyaft transplantation, graft versus host diseases unch as inflammatory of arthritis, multiple sclerosis, diabetes, immune thrombocytopenic purpure and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease such as inflammatory bowel disease (Crohn's disease such as inflammatory bowel disease (Crohn's disease such as inflammatory bowel disease (Crohn's disease and diseases such as inflammatory bowel disease (Crohn's disease and concernication) or to treat ment of diseases and concernication of coxic shock's disease, Hashimeto's Phytopidial and concernication of toxic shock syndrome or allosenstication diseases.

CC dispetes mellitus. They are also useful for diagnosis and treatment of diseases and concernications in the companies of the concernication of toxic shock syndrome or allosenstication of toxic shock syndrome or allosenstication of toxic shock syndrome or allosenstication of t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New B7-like polypeptides, polynucleotides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
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                                                                                                                                /product= "B7-like protein, B7-L_h1"
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Location/Qualifiers
27. .1175
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87.9%; Score 1027; DB 6; Length 1175; 99.9%; Pred. No. 0;

ö 1; Indels 0; Mismatches Best Local Similarity 99.9 Matches 1077; Conservative

à

CATGTGGGGCTCTCAGTGACATGGTGGTGGTGAAGCGTCAGGGCCCATGAGGAGCCCATCATCAC 210 510 277 337 390 397 450 1117 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCTCACACTGGAC 457 069 697 750 870 757 810 817 937 997 1111 ACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168 CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGGGGGAACTTCACCTCGGAGATGAT CATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCG CTGGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTT CCTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGT CCTGCATGGATCTGCTTACCTTACGTCCAAGTTATGGGAGAGCTGTTCATTATGGGAGAGCTGTTCCCAGTGT TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGAC TGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG CAATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG 698 IGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTG 758 IGGACTAGCAGGACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTG TGTATTATCAAGTTTACCGAGTTTAGGTTTTCATTGCCTACTTGGGGCAAAGTTGGACT AACTGAGACAGAAAGTGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAGACCAC 938 AACTGAGACAGAAAGTGGGAAATGAAAACTCCGGCTACAATTCAGATGAACAAAGACCAC AGACACCGCTTCTCTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAGAAAAA TAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC 1058 TAGCTGTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC 158 151 211 578 338 811 (331 391 398 451 458 511 518 631 571 691 751 878 931 1051 d 셤 g ò ò ð d à dd 8 g à gg 8 g ò g à 셤 ð qq à d à g ò g à g ð d ò

ABK13030 standard; cDNA; 1240 ABK13030 ID ABK1 RESULT 3

Homo

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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The conjugation included encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and character and enlaturery and endometriosis) and conter regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of seminal vesicle hyperplasia in transgenic mice overexpressing B7-L concer including seminal vesicle cancer, lung, brain, breast, ovarian, cancer and cancers of haematopoietic system B7-L polypeptide pathway can be manipulated to regulate cytotoxic T-lymphocyte response in pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune diseases. T-cell dependent C for allowating the symptoms associated with diseases such as systemic immune chloroxic pathway can be environed architis, multiple sclerosis, diabetes, immune thrombootytopentic purpura and psoriasis, chronic inflammatory cullesses such as inflammatory bowel disease (Crohn's disease and ulcerative colitis), Grave's disease (Crohn's disease and ulcerative colitis), Grave's disease, Hashimoto's thyroiditis and colitis and content and psoriasis, chronic and specific and colitis and content and psoriasis, chronic and specific and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis and colitis 
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                                                                                                                                                         Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antiasthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
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23-APR-2002
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reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrinsic alveolitis), vasculopathies, coeliac disease, annemia, thrombocytopenias, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The present sequence represents the coding sequence of human B7-L_h3
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                                                                                                          Sequence 1240 BP; 318 A; 319 C; 305 G; 298 T; 0 U; 0 Other;
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for regulation of their expression and activity,

of gene therapy. The genes are involved in tissue and/or cell regeneration. Membrane proteins, signal transduction-related proteins, transcription-related proteins, disease-related proteins and genes encoding them can be used as indicators for diseases (e.g. osteoporosis, neurological diseases, cancer, tumours. The cDNA may be used to regulate the activity or expression of the encoded protein to treat diseases. The sequence presented is a cDNA of the invention. Note: Some of the sequence of this patent is not represented in the printed specification, but

1110

data for this patent is not represented in the printed specification, bu is based on sequence information supplied by the European Patent Office.

Sequence 2051 BP; 580 A; 463 C; 474 G; 534 T; 0 U; 0 Other;

Query Match

Length 2051;

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AGACACCGCTTCTCTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAGAAACAG 1050
           1123 TAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC 1182
                                                                        1111 ACAGGCTTCTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1168
                                                                                   Ishii S;
R, Tamechika I;
                                    TAGCTGTGGCCCTCCTCACCAGCGGGCTGATCAACGTCCACCCAGGCCAGCAAGTCATCC
                                                                                                                                                                                                                 Human; ss; gene; pharmaceutical; diagnostic; gene therapy; tissue regeneration; cell regeneration; membrane protein; signal transduction-related protein; transcription-related protein; osteoporosis; neurological disease; cancer; tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                              Otsuki T, Wakamatsu A, Sato H,
Hio Y, Otsuka K, Nagai K, Irie
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                    /*tag= a
/product= "Clone PLACE60177880 protein"
                                                                                                                                                                                                Human cDNA encoding clone PLACE60177880.
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RES ASSOC BIOTECHNOLOGY.
                                                                                                                                         ADB62950 standard; cDNA; 2051
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25-JAN-2002; 2002US-00350978.
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Yoshikawa T,
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P-PSDB; ADB64920.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              Isogai T,
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The invention discloses a polynucleotide comprising a sequence selected from 1970 fully defined nucleotide sequences which encode novel polypeptides. Also claimed is a polypeptide encoded by the polynucleotide or its partial peptide, an antibody binding to the polypeptide or peptide of the polynucleotide, immunologically assaying the polypeptide or peptide of the polynucleotide by contacting the polypeptide or peptide between the two, a transformant carrying the polynucleotide in an expressible manner and an antisense polynucleotide. The oligonucleotide is useful as a primer for synthesising the polynucleotide, or as a probe for detecting the polynucleotide in the polynucleotide and encoded for detecting the polynucleotide. The polynucleotide and encoded for detecting the polynucleotide. The polynucleotides and encoded proteins are useful as pharmaceutical agents and many disease-related genes may be included in them, for developing a diagnostic marker or New polynucleotides and polypeptides, useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or Claim 1; Page; 222pp; English. as targets of gene therapy

ö 369 309 210 CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGAT 429 CATCCACAATGTGGAGCCCAGTGATTCGGGAACATCAGATGCAGCCTCCAGAACAGTCG 330 CCTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGT 390 549 450 510 729 630 069 849 750 909 810 969 870 CATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCAC 91 AGTCCTGAAGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGGGAACTTCACCTCGGAGATGAT 550 faricirgracicacigadarida accircida a giracircia cecerca ca circa con contra CTGGCTCCCGGATATTTCCTGGGAGCTCGGGTCTCCTGGTCAGCCATTCAAGCTATTATTT 391 TAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGAC cogectecessaratricerssasseressrerecrassecarreassecratratri 511 IGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG 571 CAATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC Gaps TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTG TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTG CTGCCGCCGTCGTTGTGTGCTGCAACTGCTGCCGGTTGTTGTTTCTGCTGTAGAAG 970 crececercerrerrerecrecaecrecrecrecerrecrererrerrerre TGTATTATCAAGTTTACCGAGTTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT 0 2; Indels 83.6%; Score 976; DB 9; 99.8%; Pred. No. 0; ive 0; Mismatches 2 Matches 1076; Conservative Similarity 370 211 271 331 490 610 451 631 910 811 Local 691 751 ò g ð 셤 ò d ò ద à g à d à 엄 ò g à g ò d ò рp ò Ωp ò a ò g

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polynucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immue response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                     Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; reproductive disorder; graft versus host disease; tutoide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                 1111 ACAGGCTTCTTTTAATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTATAG 1168
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        B7-like polypeptides, polynucleotides and their modulators,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*tag= a
/product= "B7-like protein, B7-L_h4"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chute HT;
                                                                                                                                                                                                                                                                                                               DNA encoding human B7-like protein, B7-L_h4.
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28-NOV-2000; 2000US-00729264
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seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cesticular cancer and cancers of haematopoietic system. B7-L polypeptide pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease. T-cell dependant B-cc call mediated diseases and autoimmune diseases. B7-L molecules are useful correct alleviating the symptoms associated with diseases such as systemic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and disease into a collitis), Garav's disease, Hashimoto's thyroiditis and disease such as inflammatory bowel disease (Crohn's disease and disease, collines, Tavy are also useful as immunosuppressive agents for dispetes mellitus. They are also useful as immunosuppressive agents for conjectules are also useful for disposis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and reatment of convascular restenosis. Antagonists of B7-L polypeptides are useful for vascular restenosis, and pemphigus and pemphigus did convascular propathies (e.g. glomerulonephritis), skin disorders reactions, nephropathies (e.g. glomerulonephritis), skin disorders canaemia, thrombocytopenias, Guillain-Barre syndrome and myasthemia and myasthemia and anaemia, thrombocytopenias, Guillain-Barre syndrome and myasthemia and anaemia and anaemia and anaemia anaemia and anaemia and anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia anaemia ana
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responsible for genetic disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. AAS64197-AAS94564 represent novel human diagnostic coding sequences of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at fitp.wipo.int/pub/published_pot_sequences
                                                                                                              Sequence 1392 BP; 338 A; 361 C; 341 G; 352 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to isolated polynucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain creation (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynucleotides are also used in diagnostics as expressed sequence tags for identifying expressed control of (II) is useful in gene therapy techniques to restore normal cativity of (II) or to treat disease states involving (II). (II) is useful in gene therapy techniques to restore normal constitution of energy in tissue, as molecular weight markers and as a food complypeptide in tissue, as molecular weight markers and as a food consuperant protein expression or bological activity. The polypeptide and polynucleotide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations
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                        CTGAAGGCCCGCAAGTCTGCAACTGTAATCTCACTGTGATTCGGTGTCCCCCAAGACACT
                                                                       GGAGGGGGTATTAATATTCCAGGTGTATTATCAGTTTACCGAGTTTAGGTTTTAGGTTTTTCATTG
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                                                                                                                                                       ACTCTTACAATACGCTGCTGCTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCTGC
 CTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACT
                                                                                                     CCTACTTGGGGCAAAGTTGGACTTGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGT
                                                                                                                                                                                SS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                      1; chromosome mapping; gene mapping; gene therapy; forensic; supplement; medical imaging; diagnostic; genetic disorder;
                                                   GGAGGTGGTATTAATATTCCAGGTGTATTATCAAGTTTACCGAGTTTAGGTT
                                                                                                                                                                                                                                                                                                                                                                             encoding novel human diagnostic protein #28160.
                                                                                                                                                                                                                         CGTTGTTGTTGTTAGAAGAAAAGAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID NO 28160; 103pp; English.
                                                                                                                                                                                                                                                                                                    BP
                                                                                                                                                                                                                                                                                                AAS92356 standard; cDNA; 1392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        30-MAR-2001; 2001WO-US008631
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2000US-00649167
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P-PSDB; ABG28169.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200175067-A2.
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23-AUG-2000;
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                                                                           241 AATCTTGTAGTGGTGGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACC
                                                       152 ATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCC
                                                                                                                212 AATGACCGCTTCACCTCCAGAGGTACGACCAGGGCAGGAACTTCACCTCGGAGATGATC
                                                                                                                                                                           ATCCACAATGTGGAGCCCAGTGATTCGGGGAACATCAGATGCAGCCTCCAGAACAGTCGC
                                                                                                                                                                                                                                                                                               AATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACC
                                                                                                                                                                                                                                                                                                                                                        TGGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTT
                                                                                                                                                                                                                                     CTGCATGGATCTGCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTT
                                                                                                                                                                                                                                                                                                                                                                               301 CGGCTCCCGGATATTTCCTGGGAGCTCGGTCTGGTCAGCCATTCAAGCTATATTTT
                                                                                                                                                                                                                                                                                                                                                                                                                  GTTCCGGAGCCCAGCGACCTTCAAAGTGCAGGATCCTGGCCTCTGACCCCACAGAGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   481 GTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  632 GTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGT
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                                   .,
    Length 1392;
                                1; Indels
   DB 5;
                             0; Mismatches
                ·:
 Score 677;
                Pred. No.
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58.0%;
99.9%;
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            Best_Local Similarity 99.9
Matches 727; Conservative
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ID ACH1
XX
AC ACH1
XX
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The invention relates to an isolated polynucleotide comprising any one of 38043 cDNA sequences, appearing as ACH12789-ACH50831, whose sequence was determined by the technique of SBH (sequencing by hybridisation). Also concluded is a purified polypetide comprising a sequence corresponding to a reading frame of the novel polynucleotide. The nucleic acid sequences are useful in diagnostics as expressed sequence tags (EST) for care useful in diagnostics as expressed sequence tags (EST) for in forensics, in assessing biodiversities, or in identifying mutations or responsible for genetic disorders and other traits. The nucleotide sequences are also useful as hybridisation probes, as oligomers for PCR, corromosome and gene mapping, in the recombinant production of corromosome and gene mapping, in the recombinant production of corructing antibodies specific for it. The present sequence is useful for generating antibodies specific for it. The present sequence for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at sequence. The sequence data corrections of the sequence of the sequence obtained in electronic format directly from USPTO at sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCAACGICCACCCAGGCCAGCAAGICAICCACAGGCIICTITIAAICIGGCCAGICCIGA 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGGCTACAATTCAGATGAACAAAAAGACCACCACCGCTTCTCTCCCCCCAAATCCTG 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New polynucleotide sequences obtained from various cDNA libraries, useful as hybridization probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antisense DNA or RNA.
                                                           Human; ss; sequencing by hybridisation; SBH; expressed sequence tag; EST; genome mapping; biodiversity; genetic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            243 TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         rchartccagrearccreaacaaacaaacagraccrescccrecteaccage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gabatctgababagagacabacaaagababctgagacagaaagtggaaatgabaactc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 217; DB 8; Length 474; Pred. No. 3e-98;
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                                                                                                                                                                                                                                                                                                                                                                                                           Dickson MC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                           Stache-Crain B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID NO 3342; 44pp; English.
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99.6%;
                                                                                                                                                                                                                               30-JUL-2001; 2001US-00918995.
                                                                                                                                                                                                                                                                  30-JUL-2001; 2001US-00918995
                                 Human adult heart cDNA #444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 267; Conservative
(first entry)
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STACHE-CRAIN E
DICKSON M C.
JONES L W.
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                                                                                                                           Homo sapiens.
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(DICK/)
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Jones LW

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Human genome-derived single exon nucleic acid probes useful for analyzing
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              104 ICCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGTCTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                         Probe #5268 used to measure gene expression in human placenta sample.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 401 BP; 105 A; 98 C; 111 G; 87 T; 0 U; 0 Other;
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                                                                                                                                                                                 Probe; microarray; human; placenta; antenatal diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16.4%; Score 191; DB 4; L 100.0%; Pred. No. 3.4e-85; ive 0; Mismatches 0;
GAAGGICAGIAATACAACIGIAGIAIAG 1168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 25; SEQ ID NO 5268; 654pp; English.
                303 GAAGGTCAGTAATACAACTGTAGTATAG 330
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rank
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chen W,
                                                                                                                                                                                                                                                                                                                          2000US-0180312P.
2000US-0207456P.
2000US-00608408.
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2000US-0234687P.
2000US-0236359P.
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                                                                                        AAI36582 standard; DNA; 401
                                                                                                                                       17-OCT-2001 (first entry)
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Matches 191; Conservative
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                                                                                                                                                                                                    genetic disorder; ss.
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21-SEP-2000;
27-SEP-2000;
04-OCT-2000;
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30-JUN-2000;
                                                                                                                                                                                                                              Homo sapiens
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     1141
                                                                                                                  AAI36582;
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                                                                               AAI36582
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Gaps .; 0 960

1080

163 330 223 390

391 ACCTCTCAGAG 401

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New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
           Drosophila melanogaster expressed polynucleotide SEQ ID NO 40961
                                   Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                     Claim 1; SEQ ID NO 40961; 21pp + Sequence Listing;
                                                                                                                                                                                                                                Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   800 CGCTGCTGCTGCCGCCGTCGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABL15492 standard; cDNA; 59967 BP.
                                                                                                                                                                                                                                PWD,
                                                                                                                                           23-MAR-2001; 2001WO-US009231.
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11-JUL-2000; 2000US-00614150.
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nes 24; Conservative
                                               pharmaceutical; gene; ss
                                                                      Drosophila melanogaster.
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                                                                                           WO200171042-A2
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                                                                                                                    27-SEP-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABL15492,
à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence is one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe byridises at high stringency to a nucleic acid expressed in the human breast. The probes are useful for predicting, diagnosing, grading, staging, monitoring and prognosing diseases of the human breast, include: breast cancer, disorders of development, inflammatory diseases of the breast cancer, fibrocystic changes, proliferative breast diseases of the breast unmours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                                                                  Probe; human; breast disease; breast cancer; development disorder; ss; inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to novel single exon nucleic acid probes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                             used to measure gene expression in human breast sample.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 5; Length 357;
0.074;
thes 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 357 BP; 117 A; 68 C; 64 G; 108 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2.1%; Score 25; DB 100.0%; Pred. No. 0.Ctive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 25; SEQ ID NO 4326; 322pp; English.
                                                                                                                                                                                                                                                                                                                                                                                            Rank DR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                877 AGGATTTCGTATTCAATTTCAAAAG 901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               42 AGGATTTCGTATTCAATTTCAAAAG 66
                                     AAI04335 standard; DNA; 357 BP
                                                                                                                                                                                                                                                                                                                                                                 (MOLE-) MOLECULAR DYNAMICS INC
                                                                                                                                                                                                                                                                                                                 2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
                                                                                                                                                                                                                                                                                                                                                                                           Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABL15493 standard; cDNA; 6507
                                                                                                                                                                                                                                            29-JAN-2001; 2001WO-US000661.
                                                                                                                                                                                                                                                                                            2000US-00608408.
2000US-00632366.
                                                                                                                                                                                                                                                                                  2000US-0207456P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                                                                                                                                                                                                                                                                          Hanzel DK,
                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2001-476286/51
                                                                                                                                                                                               WO200157270-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    a human breast
                                                                                                                                                                                                                                                                                           30-JUN-2000;
                                                                                                                                                                                                                                                                     04-FEB-2000;
                                                                                                                                                                                                                                                                                  26-MAY-2000;
                                                                                                                                                                                                                                                                                                       03-AUG-2000;
                                                                                                                                                                                                                                                                                                                    21-SEP-2000;
                                                                                                                                                                                                                                                                                                                              27-SEP-2000;
                                                                                                                                                                                                                                                                                                                                            04-OCT-2000;
                                                                                                             Probe #4326
                                                                                     09-OCT-2001
                                                                                                                                                                                                                      09-AUG-2001
                                                             AAI04335;
                                                                                                                                                                                                                                                                                                                                                                                          Penn SG,
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ABL15493/c
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The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded protesins (ABBS7737-ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drosophila melanogaster expressed polynucleotide SEQ ID NO 40958.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                  Sequence 6507 BP; 1745 A; 1888 C; 1712 G; 1162 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   °;
                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 24; DB 4; Length 6507;
Pred. No. 0.25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                     2.1%; >cc.
100.0%; Pred. No. c.
... 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            823
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO200171042-A2
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(first entry)

26-MAR-2002

ABL15493;

0 X X X X E

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Claim 1; Fig 5; 135pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                   WPI; 2002-130881/17.
(AMGE-) AMGEN INC.
                                                                 P-PSDB; AAU75544.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-MAR-1999
                           Welcher AA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAV99359;
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                                                                                                                                                                                                              The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL06175) and the encoded proteins (ABB57737-ABB72072). The sequence data for this patent did not form part of printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pot_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mouse, B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermatological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic;
                                                                                                                                    New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell interactions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antiasthmatic, nephrotropic, antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                          Score 24; DB 4; Length 59967;
                                                                                                                                                                                         Claim 1; SEQ ID NO 40958; 21pp + Sequence Listing; English.
                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /product= "B7-like protein, B7-L_m1"
                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 0.26;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DNA encoding mouse B7-like protein, B7-L_m1.
                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Prec. ...
                                                                        Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               4596 CGCTGCTGCTGCTGCCGCCGTCGT 4573
                                                                                                                                                                                                                                                                                                                                                                                                                                                800 CGCTGCTGCTGCCGCCGTCGT 823
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABK13032 standard; cDNA; 1195 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-JUN-2001; 2001WO-US020719.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-JUN-2000; 2000US-0214512P.
28-NOV-2000; 2000US-00729264.
                                                                         PWD,
                                                                                                                                                                                                                                                                                                                                                                                            .18;
        23-MAR-2000; 2000US-0191637P.
                   11-JUL-2000; 2000US-00614150
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                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                         Venter JC, Adams M,
                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Watches 24; Conserv
                                                                                                   WPI; 2001-656860/75
                                                (PEKE ) PE CORP NY
                                                                                                                  P-PSDB; ABB71389
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus
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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The colypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or useful for treating B7-like polypeptide-related disease, disorders or miscarriage, preterm labour and delivery and endometriosis) and miscarriage, preterm labour and delivery and endometriosis) and continuous and other regulators of B7-L polypeptides are extracellular domains and other regulators of B7-L polypeptides are cuseful for enhancing the immune response to tumours. (I) plays a role in geninal vesicle hyperplasia in transgenic mice overexpressing B7-L colypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer. Lung, brain, breast, ovarian, cancer including seminal vesicle cancer, lung brain, breast, ovarian, cancer including seminal vesicle cancer, lung brain, breast, ovarian, cancer including seminal vesicle cancer, lung brain, breast, ovarian, cancer including seminal vesicle cancer, lung brain, breast, ovarian, callograft transplantation, graft versus host disease, T-cell dependent B-coloration the symptoms associated with diseases unch a sinflammatory with diseases unch as inflammatory bowel diseases. B7-L molecules are useful contrainve colitics), Grave's disease, Hashinote's throndocytopenic purpura and psoriasis; chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and organ transplantation or to prolong graft survival. B7-L bone marrow and organ transplantation or to prolong graft survival. B7-L coloration of toxic shock syndrome or allosometric sateriors, and proliferation, including arteriosclerosis and culturing abnormal cell proliferation, including arteriosclerosis and culturing and permishing (G globerland), and organ transplantation or allosmenticial and permishing of allery, asthma and hypersensitivity creactions, nephropathies (e.g. glomerlanding) attended to disease (C generalization), including and p
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Glial cell line-derived neurotrophic factor receptor gamma 1;
GDNFR-alpha; glial cell line-derived neurotrophic factor; GDNF;
neurodegenerative disease; amyotrophic lateral sclerosis; GDNFR-gammal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     gravis, and lymphoproliferative disorders such as multiple myeloma. The
                                                                                                                                                                                                                 New B7-like polypeptides, polynuclectides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5' PCR primer for GDNFR-gammal cDNA encoding the full length protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           present sequence represents the coding sequence of mouse B7-L_m1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2.0%; Score 23; DB 6; Length 1195;
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Chute HT;
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Sarmiento UM, Schultz HJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 455 CICCCGGATATITCCTGGGAGCT 477
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length protein of a gial cell line-derived neurotrophic factor receptor gamma 1 (GDNFR-gamma1). The amplified product was subsequently cloned and expressed in Baculovirus. GDNFR-beta shares high homology with GDNFR alpha, which is capable of complexing with gial cell line-derived neurotrophic factor (GDNF) and mediating cell response to GDNF. The GDNF polypeptides and agonists can be used for treating disorders associated with decreased activity of the respective polypeptides. They can be used for treating neurodegenerative diseases such as amyotrophic lateral distances is, Parkinson's disease, schizophrenia, insomnia, tardive dyskenisia, hypertension, pituitary adenomas, hyperprolactinemia, thyroid tumour, renal disorders, kidney failure, gut dysfunction, or for tregeneration of cardiomyocytes, epithelium or hepatocytes. Antagonists of the propertion of the continuous discontinuous and disorders are discontinuous.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated glial cell derived neurotrophic factor receptors - used to develop products for treating e.g. neurodegenerative disorders, schizophrenia, hypertension, tumours, renal disorders, kidney failure or
Parkinson's disease; schizophrenia; insomnia; tardive dyskenisia; hypertension; pituitary adenomas; hyperprolactinemia; thyroid tumour; renal disorder; kidney failure; gut dysfunction; regeneration; cardiomyocyte; epithelium; hepatocyte; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ni J, Hsu T, Young P, Gentz RL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 6; Page 68; 156pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98WO-US010328,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      97US-0047092P
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                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                   WO9853069-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          27-JUN-1997;
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NAMES OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET OF STREET
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Ruben SM;

the polypeptides can be used for treating disorders associated with increased activity of the respective polypeptides. The products can also be used for detection, diagnosis and drug screening Sequence 141 BP; 19 A; 60 C; 38 G; 24 T; 0 U; 0 Other;

Score 22; DB 2; Length 141; Pred. No. 2.3; 0; Indels Local Similarity 100.0%; Pred. No. 2.3 tes 22; Conservative 0; Mismatches Query Match Best Loca Matches

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ABN99162 standard; DNA; 767 BP. RESULT 14 ABN99162

ABN99162;

01-AUG-2002 (first entry)

Arabidopsis thaliana expressed polynucleotide SEQ ID NO 930.

Arabidopsis thaliana; plant; insecticide; fungicide; transgenic; stress; disease; crop; thale cress; tolerance factor; insect; pathogen; nutrition; ds.

Arabidopsis thaliana.

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26-JAN-2001; 2001US-00770445.
                        27-JAN-2000; 2000US-0178472P.
                                      HAMILTON C M.
                                                               LEDFORD B L. WOESSNER J P.
                                         PRICE J L.
RAINES T M.
                                                    RAMEAKA J G.
                                                                      HAAS W D.
GARCIA C A.
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DAVIS K R.
ALLEN K.
                               GORLACH J.
                                                                             KRICKER M.
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                                                                                               HURBAN P.
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          21-FEB-2002
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Yu Y; JP, Haas WI Hoffman N; Price JL, Raines TM, Ledford BL, Woessner Davis KR, Allen K, Gorlach J, An Y, Hamilton CM, P: Rameaka JG, Page A, Mathew AV, I Garcia CA, Kricker M, Slater T, WPI; 2002-403163/43. Hurban P;

New Arabidopsis thaliana nucleic acid for identifying homologous genes, producing compositions that modulate the expression or function of its encoded protein, and mapping functional regions of protein.

Claim 1; SEQ ID NO 930; 49pp + Sequence Listing; English.

The invention relates to an Arabidopsis thaliana nucleic acid (I) comprising a sequence capable of hybridising under stringent conditions comprising a sequence ababted hybridising under stringent conditions to a sequence salected from any one of 999 sequences (ABNO9231-ABNO9231). Given in the specification or its fragment. A polypeptide (II) encoded by given in the specification or its fragment. A polypeptide (II) encoded by comprising an exogenous nucleic acid is genetically modified cell (IV) comprising an exogenous nucleic acid, is cuseful for screening a candidate agent for its biological effect. (I) is cuseful in identifying homologous or related genes, in producing compositions that modulate the expression or function of its encoded protein, mapping functional regions of the protein and in studying compositions that modulate the expression or function of its encoded associated physiological pathways. (I) is also useful for the genetic manipulation of cells, particularly plant cells. (I) is also useful in strength of screening assays of various plants strains to determine the strains that are best capable of withstanding a particular disease or environmental care best capable of withstanding a particular disease or environmental crops to pathways. The screened agents are useful in improved methods of treating production of a biosynthetic product in a plant. Compared to dentifying other mediators that may induce their tolerance to environmental stress. (II) is also useful for identifying other mediators that enhance to which any specific insect addor pathogen is responsible for damage to a conficunat plant, for identifying other mediators that enhance to environmental stress. (I) is also useful in the study of genetic function and regulation, commercial or medicinal value and conficulations of nutritional, commercial or medicinal or medicinal or for identifying productions of nutritional, commercial or medicinal or for identifying productions of nutritional commercial or medicinal or for alteration of the c

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This sequence encodes a novel glial cell line-derived neurotrophic factor alpha-3 receptor (GDNF alpha-3). This protein can be used to treat e.g. neurodegenerative diseases (such as Parkinson's Disease, amyotrophic lateral sclerosis (ALS), spinal muscular atrophy (SMA), Huntington's Disease, Alzheimer's Disease, diabetic neuropathy), muscular diseases (including the muscular dystrophies) and nerve and muscle trauma and in diagnostic assays for such conditions
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New factor alpha 3 receptor polypeptide and e.g. DNA and agonists - used to treat neuro degenerative diseases, muscular diseases and nerve and muscle trauma and in diagnostic assays.
that may affect the biological function of the gene or gene products. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at seqdata.uspto.gov/sequence.html?DocID=999909770445
                                                                                                                                                                                                                                                                                                                                                                                                                            Glial cell line-derived neurotrophic factor alpha-3 receptor; GDNF; treatment; neurodegenerative disease; Parkinson's Disease; ALS; SWA; amyotrophic lateral sclerosis; spinal muscular atrophy; nerve; trauma; Huntington's Disease; Alzheimer's Disease; diabetic neuropathy; muscle;
                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /product= "GDNF alpha-3"
/note= "partial sequence of glial cell-derived
neurotrophic factor alpha-3 receptor"
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                                                                                                                  1.9%; Score 22; DB 6; Length 767;
100.0%; Pred. No. 2.4;
tive 0; Mismatches 0; Indels
                                                                                     Sequence 767 BP; 169 A; 199 C; 147 G; 252 T; 0 U; 0 Other;
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97GB-00009463.
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Matches 22; Conservative
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P-PSDB; AAW65116.
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Job time : 502.037 Becs

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6: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-187-906-20
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US-09-649-039A-3243
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Patent No. 6284540

GENERAL INFORMATION:

APPLICANT: Milbrandt, Jeffrey D.

APPLICANT: Milbrandt, Jeffrey D.

APPLICANT: Milbrandt, Jeffrey D.

TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor

FILE REFERENCE: 6029-7998

CURRENT APPLICATION NUMBER: US/09/220,528A

CURRENT FILING DATE: 1998-12-24

EARLIER APPLICATION NUMBER: 60/108,148

EARLIER FILING DATE: 1998-11-12

EARLIER FILING DATE: 1998-11-12

EARLIER FILING DATE: 1998-11-12

EARLIER FILING DATE: 1998-09-29

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Patent No. 6677135
GENERAL INFORMATION:
APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: and Renal Growth
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.9%; Score 22; DB 3; Length 1203;
100.0%; Pred. No. 0.2;
ive 0; Mismatches 0; Indels
                  US-08-447-500-5

US-08-453-86-5

US-08-453-86-5

US-08-453-86-5

US-09-620-312D-908

US-09-491-522-6

US-09-491-522-6

US-09-146-249A-60

US-09-146-249A-4904

US-09-19-060-12

US-09-491-522-2

US-09-919-060-14

US-09-919-060-14

US-09-919-060-14

US-09-919-060-14

US-09-912-545-1

US-09-110-6
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100.0%; Pre-
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STREET: 14 Cambridge Center
CITY: Cambridge
STATE: MA
COUNTRY: USA
ZIP: 02142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 100.1
Matches 22; Conservative
  1899
1989
1989
1989
1989
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2023
2011
2011
2617
2693
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RESULT 5
US-09-489-039A-3243/c
Sequence 3243, Application US/09489039A
; Sequence 3243, Application US/09489039A
; Sequence 3243, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAFBUTICS
; FILLE REFRENCE: 2709.204001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT APPLICATION NUMBER: US 60/117,747
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR PILLING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3243
                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Greenspan, Ralph J.
APPLICANT: Greenspan, Ralph J.
TITLE OF INVENTION: Methods for Identifying Compounds for
TITLE OF INVENTION: Methods for Identifying Compounds for
TITLE OF INVENTION: Methods for Identifying Compounds for
TITLE OF INVENTION: Methods Sickness, Vertigo and Other Disorders Related 1
TITLE OF INVENTION: Malace and the Perception of Gravity
FILE REFERENCE: PNI 3864 US/09/669,751
CURRENT APPLICATION NUMBER: US 60/168,579
PRIOR FILING DATE: 1999-12-02
PRIOR FILING DATE: 1999-12-02
NUMBER OF SEQ ID NOS: 261
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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100.0%; Pred. No. 0.67;
ive 0; Mismatches 0; Indels
          Length 3942;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 21; DB 4; Length 550;
Pred. No. 0.64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
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            Score 22; DB 3;
Pred. No. 0.22;
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100.0%; Pred. No. v.
0, Mismatches
                                                                Mismatches
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Sequence 16752, Application US/09621976
Patent No. 6639063
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Patent No. 6551575
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1.9%; Scc.
100.0%; Pre
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ORGANISM: Klebsiella pneumoniae
US-09-489-039A-3243
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Best Local Similarity 100.0
Matches 21, Conservative
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Best Local Similarity 100.
Matches 21; Conservative
                                                                Conservative
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; ORGANISM: Drosophila
US-09-669-751-128
                                    Best_Local Similarity
Matches 22; Conserv
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US-09-669-751-128/c
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LENGTH: 550
                    Query Match
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Sequence 19, Application US/09162484

Patent No. 6248724

GENERAL INFORMATION:
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
TITLE OF INVENTION: ANTISENES CLIGONUCLEOTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANTISENES CLIGONUCLEOTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANGIOTENSIN CONVERTING ENZYME MRNA AND METHODS OF USE
FILE REPERENCE: US/09/162,484

CURRENT APPLICATION NUMBER: 06/059,661

EARLIER PRING DATE: 1997-09-25

NUMBER OF SEQ ID NOS: 19

SEQ ID NO: 19

SEQ ID NO: 19
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                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
CORRATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
SOFTWARE: PATENTIN BATA:
APPLICATION NUMBER: US/09/187,906
FILING DATE:
CLASSIFICATION DATE:
APPLICATION NUMBER: PCT/US97/07726
FILING DATE: 07-MAY-97
APPLICATION NUMBER: US 60/017,427
FILING DATE: 07-MAY-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/019,300
FILING DATE: 07-UN-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/019,300
FILING DATE: 16-UL-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-UL-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/043,533
FILING DATE: 10-APR-97
ATTORNEY AGENT INFORMATION:
NUMBER: US 60/043,533
ATTORNEY AGENT INFORMATION:
NUMBER: MADIAN WARERE: US 60/043,533
ATTORNEY AGENT INFORMATION:
NUMBER: MADIAN WARERE: US 60/043,533
ATTORNEY AGENT INFORMATION:
NUMBER: MADIAN WARERE: US 60/043,533
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME: Kaplan, Warren A.
REGISTRATION NUMBER: 34,199
REFERENCE/DOCKET NUMBER: A008 PCT CIP
TELECOMUNICATION INFORMATION:
TELEPHONE: 617-679-2400
TELEPHONE: 617-679-2838
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  801 GCTGCTGCTGCCGCCGTCG 822
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 1699 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
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                                    COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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; ORGANISM: Pseudomonas aeruginosa US-09-252-991A-12897
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Best Local Similarity 100.0
Matches 20, Conservative
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LOCATION: 1421
OTHER INFORMATION: unknown
NAME/KEY: unsure
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LOCATION: 1415
OTHER INFORMATION: unknown
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                                                                                          Best_Local Similarity
Matches 20; Conserv
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OTHER INFORMATION:
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LOCATION: 1423
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LENGTH: 1910
                                                                          Query Match
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APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVERTION:
APRESION ABCESTE ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVERTION: ABCHGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
EDROFTH: 984
TYPE: DNA
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100.0%; Pred. No. 2.1;
Live 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.1;
ive 0; Mismatches 0; Indels
              APPLICANT: Obsert, S.
APPLICANT: Jobert, S.
APPLICANT: Jobert, S.
APPLICANT: Glordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET: 054PR2
CURRENT APPLICANTION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16752
LENGTH: 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1671, Application US/09621976
Fatent No. 6639063
Fatent No. 6639063
Fatent No. 6639063
FAPLICANT: Unwas Milne Edwards, J.B.
FAPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTE and Encoded Human Proteins.
FILE REFERENCE: GENSET.054PR2
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 12897, Application US/09252991A Patent No. 6551795
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                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0
Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 20; Conservative
                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo sapiens
US-09-621-976-16752
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
GENERAL INFORMATION:
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US-09-252-991A-12897
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Sequence 12735, Application US/09252991A
Sequence 12735, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS;
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR PELING DATE: 1998-07-27
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 12735
LENGTH: 1857
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                                                                      Gaps
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APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ATSONISE MODULATION OF C/EBP BETA EXPRESSION
FILE REPERBACE: RTS-0118
CURRENT APPLICATION NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
NUMBER OF SEQ ID NOS: 244
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100.0%; Pred. No. 2.3;
tive 0; Mismatches 0; Indels
                 Score 20; DB 4; Length 984; Pred. No. 2.2;
                                                                    0; Indels
1.7%; scc...
100.0%; Pred. No. ...
... 0; Mismatches
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                                                                                                          827 TGTGGCTGCAACTGCTGCTG 846
                                                                                                                                                       395 rerecciecalcrecie 414
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OTHER INFORMATION: unknown

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Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
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APPLICANT: KUNIO NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
                        US-U8-012-735-1/C
; Sequence 1, Application US/08012735
; Patent No. 536084
; Patent No. 536084
; APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Akira, Shizuo
APPLICANT: Akira, Shizuo
APPLICANT: Arianbe, Osamu
APPLICANT: Isahiki, Hiroshi
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
APPLICANT: Shimamoto, Takuya
; TITLE OF INVENTION: C/EBP2 Gene and Recombinant
; TITLE OF INVENTION: C/EBP2
CORRESPONDENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Sughrue, Mion, Zinn, Macpeak
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY: United States
ZIP: D.C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: The PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/012,735
FILING DATE: 19930203
CLASSIPFCATION: 435
PRICATION NUMBER: US/07/601,094
FILING DATE: 22 OCT 1990
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (202) 293-7860
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-08-864-038A-1
; Sequence 1, Application US/08864038A
; Patent No. 6001592
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MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 6491103
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1914 base pairs
TYPE: NUCLEIC ACID
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LOCATION: 281..1316
OTHER INFORMATION:
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Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                  Query Match
1.7%; Score 20; DB 3; Length 1910;
Best Local Similarity 100.0%; Pred. No. 2.3;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 1, Application US/07601094

Sequence 1, Application US/07601094

Patent No. 5215892

GENERAL INFORMATION:
APPLICANT: Atain, Coshio
APPLICANT: Hirano, Toshio
APPLICANT: Tanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Shimamoto, Takuya
TITLE OF INVENTION: C'EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Macpeak & ADDRESSEE: Sughrue, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Mion, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, Zinn, 
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NAME/KEY: unsure
| LOCATION: 1424
| O'THER INFORMATION: unknown;
| NAME/KEY: unsure
| LOCATION: 1458
| O'THER INFORMATION: unknown;
| NAME/KEY: CDS
| LOCATION: (299)...(1336)
| US-09-593-711A-3
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LOCATION: 281..1316
OTHER INFORMATION:
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US-07-601-094-1/c
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Gaps

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GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE

NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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100.0%; Pred. No. 2.3;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compacible OPERATING SYSTEM: Microsoft Windows 95 SOFTWARE: Word Perfect 6.1 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: from 1 to 3331
IDENTIFICATION METHOD: E (by experiment)
                                                                        US/08/864,038A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: CDNA to MRNA
ORIGINAL SOURCE:
ORGANISM: Pinctada fucata
CELL TYPE: mantle epithelial cell
                                                                                                                                                                                                                                                                      F-5610
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE: May 28, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-JULY-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       800 CGCTGCTGCTGCCGCCG 819
                                                                                    FILING DATE: May 28, 1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-1844:
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    904 cécrécrécrécrécce 923
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                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: F-TELECOMUNICATION INFORMATION: TELECOMONICATION INFORMATION: TELEPAX: (212) 985-7733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C. Bruce Hamburg
                           Word Perfect 6.1
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                                                                                                                                                                                                                                                                                                         INCLEFAX: (212)986-2340
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
TYPE-
                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 100.0
Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                812-5 Hirano
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: Isshinden
CITY: Tsu-city
STATE: Mie-prefecture
                                                                                                                                                                                                                                                                                                                                                                                                                                                            double
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                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: doub
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-864-038A-2
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US-08-864-038A-4
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       CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY TO SAID POLYPEPTIDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THERBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                     COUNTRY: CALL.

ZIP: 514-01
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
CORENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: May 28, 1997
FILING DATE: May 28, 1997
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
MAME: C. Bruce Hamburg:
REFERENCE/DOCKET NUMBER: F-5610
FRIECOMMUNICATION NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION TOWNER: F-5610
TELECOMMUNICATION TOWNER: F-5610
TELECOMMUNICATION TOWNER: F-5610
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CELL TYPE: mantle epithelial cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      800 CGCTGCTGCTGCCGCCG 819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2, Application US/08864038A Patent No. 6001592
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pinctada fucata
                                                                                                                                           ADDRESSEE: 812-5 Hirano
STREET: Isshinden
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: (212)986-234
TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                   CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: Tsu-city
STATE: Mie-prefecture
COUNTRY: JAPAN
ZIP: 514-01
                                                                                              NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: double
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: Isshinden
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM:
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Sequence 16305, A
Sequence 16653, A
Sequence 81852, A
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Sequence 41506, A
Sequence 11051, A
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Sequence 28842, A
Sequence 20, Appl
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Sequence 3342, Ap
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Sequence 65, Appl
Sequence 15, Appl
                                                                                                                                     September 14, 2004, 23:16:34; Search time 620.673 Seconds (without alignments) 9468.459 Million cell updates/sec
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GenCore version 5.1.6
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US-09-864-761-16653
US-09-770-445-930
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US-09-288-366-15
US-10-152-319A-1498
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US-09-918-995-3342
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                                                                                                                                                                                                                                                                                                                                                                                                                            3304383 seqs, 2515761380 residues
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                                                                                           OM nucleic - nucleic search, using sw model
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Maximum DB seq length: 200000000
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Match Length DB
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-087-192-18 -087-192-18 -823-267-59 -823-265-59 -918-995-58 -918-995-58 -918-995-58 -430-201-97 -767-701-53 -425-114-20 -425-118-19 -425-118-19 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31 -425-114-31	US-10-108-605-246 US-10-437-963-75800 US-09-801-260-3 US-10-145-586-42 US-10-120-988-261 US-09-801-260-1
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ALIGNMENTS

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91 AGICCIGAAGGCICCCAGGCICGCTICAACTGCACCGICTCCCAGGGCIGGAAGCICAT 150
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                                                                                  APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20030236392A1el full length cDNA
FILE REFERENCE: H1-A0105
CURRENT APPLICATION NUMBER: US/10/104,047
PRIOR APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
PRIOR PILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2;
                                                                                                                                                                                                                                                                                                                                                                                                                            83.6%; Score 976; DB 16;
99.8%; Pred. No. 0;
ive 0; Mismatches 2;
                       Sequence 1104, Application US/10104047
Publication No. US20030236392A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1104
LENGTH: 2051
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 99.8
Matches 1076; Conservative
                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 4096
                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo sapiens
US-10-104-047-1104
US-10-104-047-1104
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NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3342
LENGTH: 474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         303 GAAGGTCAGTAATACAACTGTAGTATAG
                                                                                                                           ; LOCATION: (1)...(474)
; OTHER INFORMATION: n = A,T,C or
US-09-918-995-3342
                                                                                                                                                                                         Query Match
Best Local Similarity 99.6%;
Matches 267; Conservative
                                                                                                              NAME/KEY: misc_feature
                                                               TYPE: DNA ORGANISM: Homo sapiens
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                                                  CCTGCATGGATCTGCTTACCGTCCAAGTTATGGGAGAGAGCTGTTCATTCCCAGTGT
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Publication No. US20030073623A1
GENERAL INFORMATION:
TITLE OF INVENTION: FROW VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT APPLICATION NUMBER: US/09/235,076
PRICK APPLICATION NUMBER: US/09/235,076
PRICK FILING DATE: 1999-01-20
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Length 474; Indels

; DB 10; 4.7e-102;

Score 217; DB pred. No. 4.7e-0; Mismatches

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HILLE OF INVENTION: HUMAN GENOME—DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR TITLE OF INVENTION: HUMAN GENOME—DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FILLS OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY FILLS OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT APPLICATION NUMBER: US 60/180,312

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-06-03

PRIOR PILING DATE: 2000-06-03

PRIOR PLING DATE: 2000-06-03

PRIOR PLING DATE: 2000-06-03

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR PLING DATE: 2001-01-03

PRIOR PLING DATE: 2001-01-03

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

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PRIOR PLING DATE: 2001-01-30
                                                                     Sequence 16305, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
RESULT 3
US-09-864-761-16305
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APPLICANT: Ear Rosa, Thomas J.
APPLICANT: Evolic, David K.
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Wu, William Cao, Yongwei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Burbazuk, Brad
APPLICANT: Li, Ping
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                    FRIOR FILLING DATE: 2001-01-30

PRIOR FILLING DATE: 2001-01-30

PRIOR FILLING DATE: 2001-01-30

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OTHER INFORMATION: MAP TO AF064857.1
FORTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.93
US-09-864-761-16653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Clone ID: PAT_MRT4530_81337C.1
US-10-437-963-81852
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  42 AGGATITCGIAITCAAITTCAAAAG 66
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 2.0
Best Local Similarity 100.
Matches 23; Conservative
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ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo sapiens
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LENGTH: 1284
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APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUWAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REPERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR PLICATION NUMBER: US 09/632,366
PRIOR PLICATION NUMBER: US 09/632,366
PRIOR PLILING DATE: 2000-06-03
PRIOR PLILING DATE: 2000-06-03
PRIOR PLILING DATE: 2000-06-03
PRIOR PLILING DATE: 2000-01-04
PRIOR PLILING DATE: 2000-10-04
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
OTHER INFORMATION: MAP TO AF121782.1
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
                    PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2000-01-30
PRIOR PILING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-30
PRIOR PLING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers: 1.1
LENGTH: 401
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APPLICATION NUMBER: PCT/USO1/00666
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/US01/00663
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Patent No. US20020048763A1
GENERAL INFORMATION:
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APPLICANT: Geneticch, Inc.
APPLICANT: Geneticch, Inc.
APPLICANT: Geneticch, Inc.
APPLICANT: Goddard, Aui
APPLICANT: Goddard, Audrey
APPLICANT: Gurney, Austin L.
APPLICANT: Klein, Robert D.
APPLICANT: Napier, Mary
APPLICANT: Napier, Mary
APPLICANT: Vand, Jean
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC
TITLE OF INVENTION: CELL GROWTH
FILE REFERENCE: P1694R1C1
CURRENT APPLICATION NUMBER: US/09/828,366
CURRENT FILING DATE: 2001-04-05
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Pred. No. 1.6;
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NUMBER OF SEQ ID NOS: 29
SEQ ID NO 15
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APPLICANT: Dorter, Mark
APPLICANT: Johnson, Kory
APPLICANT: Castle, Arthur
APPLICANT: Castle, Arthur
APPLICANT: Elashoff, Michael
TITLE OF INVENTION: Molecular Toxicology Modeling
TITLE OF INVENTION: Molecular Toxicology Modeling
FILE REPERBOGE: 44921-5089-US
CURRENT APPLICATION NUMBER: US/10/152,319A
CURRENT FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 60/292,335
PRIOR FILING DATE: 2001-06-13
PRIOR APPLICATION NUMBER: US 60/297,523
PRIOR APPLICATION NUMBER: US 60/299,925
PRIOR APPLICATION NUMBER: US 60/299,925
PRIOR PILING DATE: 2001-06-13
PRIOR FILING DATE: 2001-06-19
PRIOR FILING DATE: 2001-06-19
PRIOR FILING DATE: 2001-06-19
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100.0%; Pred. No. 1...
                                                                                                                                           Query Match 1.9%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 1.6 Matches 22; Conservative 0; Mismatches
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; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
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                                                                                                                                                                                                                                                                                         51 derecerecrecrececeres 72
                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 15, Application US/09828366
; Patent No. US20020010137A1
; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 22; Conservative
                                             TYPE: DNA
CORGANISM: Homo sapiens
US-09-220-920-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo Sapien
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                      LENGTH: 1203
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SEQ ID NO 65
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Sequence 65, Application US/09220920

Patent No. US2002002269A1

GENERAL INFORMATION:

APPLICANT: Baloh, Robert H.

TITLE OF INVENTION: Artemin, A No. US2002002269Aiel Neurotrophic Factor

FILE REFERENCE: 6029-7996

CURRENT APPLICATION NUMBER: US/09/220, 920

CURRENT APPLICATION NUMBER: US/09/220, 920

CURRENT APPLICATION NUMBER: 09/163, 283

EARLIER APPLICATION NUMBER: 09/163, 283

EARLIER PILING DATE: 1998-11-12

EARLIER APPLICATION NUMBER: 09/28, 698

EARLIER APPLICATION NUMBER: 09/218, 698

EARLIER APPLICATION NUMBER: 09/218, 698

EARLIER PILING DATE: 1998-11-22

EARLIER PILING DATE: 1998-12-22

NUMBER OF SEQ ID NOS: 120

SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Hurban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis
TITLE OF INVENTION: thaliana
FILE REFERENCE: 2023US (PARA-012PRV)
CURRENT APPLICATION NUMBER: US/09/770,445
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: US 60/178,472
PRIOR PILING DATE: 2000-01-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.9%; Score 22; DB 9; Best Local Similarity 100.0%; Pred. No. 1.6; Matches 22; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 999
SOFTWARE: FastSEQ for Windows Version 4.0
                      800 CGCTGCTGCTGCTGCCGTCG 822
                                                                    156 decrecrecrecrececederes 134
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                                                                                                                                                                                      ; Sequence 930, Application US/09770445; Patent No. US20020023281A1; GENERAL INFORMATION: APPLICANT: Gorlach, Jorn
                                                                                                                                                                                                                                                                                                                                                                                                                                    Page, Amy
Matthew, Abraham V.
Ledford, Brooke L.
Woessner, Jeffrey P.
Haas, William David
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Arabidopsis thaliana US-09-770-445-930
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Hamilton, Carol M.
Price, Jennifer L.
Raines, Tracy M.
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Rameaka, Joshua G.
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Slader, Ted
Davis, Keith R.
Allen, Keith
Hoffman, Neil
Hurban, Patrick
                                                                                                                                             RESULT 6
US-09-770-445-930
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LENGTH: 767
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APPLICANT:
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APPLICANT:
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APPLICANT:
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Gaps

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APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Can' Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
FILE REFERENCE: 38-21(53535)B
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TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Motion Sickness, Vertigo and Other Disorders Related to TITLE OF INVENTION: Balance and the Perception of Gravity FILE REPERENCE: P-NI 3864

CURRENT APPLICATION WUMBER: US/09/669,751

PRIOR FILING DATE: 2000-09-26

PRIOR FILING DATE: 1999-12-02

NUMBER OF SEQ ID NOS: 261

SOFTMARE: FASTSEQ for Windows Version 4.0
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1.8%; Score 21; DB 10; Length 493;
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 21; Conservative 0; Mismatches 0; Indels
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1.8%; Score 21; DB 15; Length 550;
Best Local Similarity 100.0%; Pred. No. 5.2;
Matches 21; Conservative 0; Mismatches 0; Indels
                      TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES FILE REPERENCE: 20411-756
CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR PELICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SSPTWARE: FASTSEQ FOR Windows Version 3.0
SEQ ID NO 11051
LENGTH: 493
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 128, Application US/10255336; Publication No. US20030087807A1; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 317 Acrecreccerrerrerr 297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION: (1) ... (493)

OTHER INFORMATION: n = A,T,C or G
US-09-918-995-11051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA; ORGANISM: Drosophila
US-10-255-536-128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 13
US-10-767-701-28842/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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APPLICANT: La Rosa, Thomas J.
APPLICANT: La Lou, Yahua
APPLICANT: Cao, Yongwei
APPLICANT: Wi, Wei
APPLICANT: Wi, Weiv
APPLICANT: Buckharov, Andrey A.
APPLICANT: Buckharov, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Li, Ping
APPLICANT: Sacional Action More and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(5321)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
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                  PRIOR FILING DATE: 2010-07-10

PRIOR PLING DATE: 2010-07-10

PRIOR PLING DATE: 2010-07-10

PRIOR PLING DATE: 2010-07-10

PRIOR PLING DATE: 2010-08-28

PRIOR PLING DATE: 2010-08-28

PRIOR PLING DATE: 2010-09-27

PRIOR PLING DATE: 2001-11-01

PRIOR PLING DATE: 2001-11-01

PRIOR PLING DATE: 2001-11-01

PRIOR FILING DATE: 2001-11-01

PRIOR FILING DATE: 2001-11-01

PRIOR FILING DATE: 2001-11-01

PRIOR FILING DATE: 2001-11-01

PRIOR FILING DATE: 2001-10-22

FROM PRIOR FILING DATE: 2001-10-22

FROM PRIOR FILING DATE: 2001-10-22

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FROM PRIOR FILING DATE: 2010-10-22

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100.0%; Pred. No. 1.6;
ative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Genbank Accession No. NM_012544 US-10-152-319A-1498
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US-10-437-963-41506
PRIOR APPLICATION NUMBER: US 60/303,807
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-437-963-41506/c

Sequence 41506, Application US/10437963

; Publication No. US20040123343A1

; GENERAL INFORMATION:
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; Sequence 11051, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Rattus norvegicus
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Best Local Similarity 100.
Matches 22; Conservative
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LENGTH: 462
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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1.8%; Score 21; DB 10; Length 1558; 100.0%; Pred. No. 5.2; tive 0; Mismatches 0; Indels
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APPLICANT: ENGLISH, ENGLISH,

TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR

TITLE OF INVENTION: CANCER

FILE REPERENCE: 529452000122

CURRENT APPLICATION NUMBER: US/10/087,192

CURRENT APPLICATION NUMBER: US 09/747,377

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2000-12-22

PRIOR FILING DATE: 2001-13-02

PRIOR FILING DATE: 2001-03-02

NUMBER OF SEQ ID NOS: 2059

SOFTWARE: FABLESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME/KEY: modified_base
LOCATION: (1423)
OTHER INFORMATION: a, t, c, g, other or unknown
g, other or unknown
                                                                                                                                                  LOCATION: (1243) -
OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                                                                                                                                                                       LOCATION: (1343) --
OTHER INFORMATION: a, t, c, g, other or unknown
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OTHER INFORMATION: a, t, c, g, other or unknown
                                                                                      c, g, other or unknown
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100.0%; Pred. No. 5...
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NAME/KEY: modified_base
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APPLICANT: HINZMANN, BERND
APPLICANT: SCHAFER, REINHARD
APPLICANT: SCHAFER, JOHANNES
APPLICANT: ZUBER, JOHANNES
APPLICANT: CHE-NITSE, OLEG
APPLICANT: GRIES, MARTIN
APPLICANT: HELLNEGEL, MARTIN
APPLICANT: SERS, CHRITZ, ANNR-CHANTAL
APPLICANT: SERS, CHRITZL, ANTRECTION OF DIFFERENTIAL GENE EXPRESSIONS
TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
                                                                                                                                                                                                                                     Query Match 1.8%; Score 21; DB 17; Length 602; Best Local Similarity 100.0%; Pred. No. 5.2; Matches 21; Conservative 0; Mismatches 0; Indels
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CURRENT APPLICATION NUMBER: US/09/930,213
CURRENT FILING DATE: 2001-01-31
PRIOR APPLICATION NUMBER: DE 10004102.7
PRIOR FILING DATE: 2000-01-31
NUMBER OF SEQ ID NOS: 885
SOFTWARE: PATENT IN Ver. 2.1
SEQ ID NO 20
IENGTH: 1558
TYPE: DAA
  CURRENT APPLICATION NUMBER: US/10/767,701 CURRENT FILING DATE: 2004-01-29 NUMBER OF SEQ ID NOS: 63128 SEQ ID NO 28842 LENGTH: 602
                                                                                                                                                                        ; OTHER INFORMATION: Clone ID: 8088472
US-10-767-701-28842
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Publication No. US20030170625A1
GENERAL INFORMATION:
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                                                                                                            TYPE: DNA ORGANISM: Sorghum bicolor
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Seguence 5 from Patent WO0200710.
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Copyright (c) 1993 - 2004 Compugen Ltd.
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AE003581 Drose, AC108705 Homo sapi AC108705 Homo sapi AF537215 Mus muscu PAT 18-MAR-2002 AF064857 Homo sapi AL994227 Pan trogl AB090820 Anopheles AY119603 Drosophil Y14157 Drosophila AL096703 Human DNA Home sapi Drosophil Drosophil Home sapi Human DNA Home sapi Oryza sat Oryza sat Home sapi Drosophil Home sapi Home sapi Home sapi Home sapi Home sapi Home sapi Home sapi Drosophil Human DNA Leishmani Homo sapi Homo sapi Leishmani Drosophil Pan trogl Pan trogl Homo sapi Homo sapi Sequence Sequence Homo sapi Mus muscu AX380400 Sequence Homo sapi Sequence score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. Description AL163280 RAL954228 BS000162 AL096703 AC099814 AC004422 AC020009 AL160261 AL138767 AP002843 C AP01998 H AC08321 I AP006437 E AL139350 H AC027239 H AC010932 H AC010932 H AC020047 I AL049554 I AC108135 I AC105442 I AC006387 I AC010231 I AC120145 N AX380402 AC006191 AP003328 linear DNA ALIGNMENTS SUMMARIES AF064857 RP43002119 AB090820 AY119603 AF537215 AX380404 AC020047 HSJ514B11 AF121782 HS21C080 CH179K04 HSJ735G18 AF045450 AF064860 AP003328 AP002843 AC008321 AP006437 AL139350 AC010932 AE001274 AC010231 AC120145 AL138767 AP001998 B

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Isogai,T., Sugiyama,T., Otsuki,T., Wakamatsu,A., Sato,H., Ishii,S.,
Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Full-length cDNA sequences
Patent: EP 1308459-A 1104 07-MAY-2003;
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Biotechnology (JP)
Location/Qualifiers
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/mol_type="mRNA"
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Conservative 0; Mismatches
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80._.1240
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/organism="Homo
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AK092516 LOCUS LOCUS HOMO Sapiens CDNA FLJ35197 fis, clone PLACE6017788, highly similar to 1GSF5. ACCESSION AK092516 AK092516 VERSION AK092516. AK092616. AK092516. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK092617. AK	AUTHORS JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL JOURNAL Submitted (04-JUL-2002) Takao Isogai, FLJ Project (HRI Team); 2-6-7 KAZUSSA KAMBATAI, Kisaraau, Chiba 292-0812, Japan [E-mail:genomics@hric.or.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) COMMENT REDO human CDNA sequencing project supported by Ministry of ROONOWY, Trade and Industry of Japan; CDNA full insert sequencing: Research Association for Biotechnology (RAB); CDNA library CONSTRUCTION: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5- & 3'-end one pass sequencing: HRI, and Biotechnology Center, National Institute of Technology and	PEATURES RAB; annotation: HRI and RAB. Location/Qualifiers 1. 2051 Organism="Homo sapiens" Ab	Query Match 90.7%; Score 1125; DB 9; Length 2051; Best Local Similarity 100.0%; Pred. No. 0; no. 0; Matches 1125; Conservative 0; Mismatches 0; Indels 0; Gaps 0; QY 116 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGTCCCCAGAATGCAACGTCCTGAAGGGC 175 Db 203 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCAGAATGCAACAGTCCTGAAGGGC 262	QY 176 TCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTCTC 235	QY 296 ACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGATCATCCACAATGTG 355 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
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/translation="MGIVIFHGSGSGNBVIEGPQNATVLKGSQARFNCTVSQGWKLI
MWALSDMYVLSVRPMEPLITUDRFTSQRYDQGGNFTSEMIIHNVEPSDSGNIRCSLQN
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GINIFQYLSSLPSLGFSLPTWGKYGTGLAGYMLLTPTCTLTIRCCGRRRCGGNNCC
RCCFCCRRKRGFRIPQFQKXSEKEKTNKETETESGNENSGYNSDEQKTTDTASLPPKSC
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Best Local Similarity 99.9%;
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Taudien, S., Dagand, E., Hildmann, T., Nordsiek, G., Drescher, B., Schattevoy, R., Weber, J., Schilling, M., Menzel, U., Yaspo, M.L. and
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Submitted (21-JAN-1999) Genome Analysis, Institute for Molecular
Biotechnology, Beutenbergstrasse 11, Jena 07745, Germany
Location/Qualifiers
804 CTGCCGCCGTCGTTGTTGTGGCTGCAACTGCTGCTGCTGCTTGTTTCTGCTGTAAGAAG
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Homo sapiens chromosome 21g22.3 PAC 206AL0, complete sequence.
AF121782
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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B7-like molecules and uses thereof
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= 50.000%, comment = good shadow" imental			0%. comment = good shadow"	experimental score = 42.000%, comment = marginal"	experimental exon prediction, score = 70% (0%)" experimental	imental	0020731 note="MZEF, score = 95.1%" evidence=not_experimental 7466751	= 1.83%, comment = Initial_exon 6 bp intal	experimental		.ozzo, erimental J"	00%, comment = marginal"	/rpt_family="MLT1C" complement(92739420) /note="GRAIL, score = 71.000%, comment = good" repea	290. 9371	996610041 /note="homology = 100.00%, score = 3%, counts = 2" /evidence=not experimental /rpt type=tandem	atcgc"	*	1316 11417 Exolution 1316 Exolution Exolut	_experimental
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* GBF, Dept. of Genome Analysis,
* Mascheroder Weg 1, D-38124 Braunschweig, Germany, * e.mail:
info:genome@gbf.de
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* Ihnestrasse 73, D-14195 Berlin, Germany,
* e.mail: info-chrzl@molgen.mpg.de
* UKL: http://chrzl.rz-berlin.mpg.de/.
Location/Qualifiers
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                   * e.mail: shimizu@dmb-med.keio.ac.jp
* URL: http://adenine.dmb.med.keio.ac.jp/
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Clone lib="BAC library"

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2879. .2931
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/note="L1M4"
lokyo 160-8582, Japan,
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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Submitted (05-MAY-2000) The Chromosome 21 Mapping and Sequencing
Submitted (06-MAY-2000) The Chromosome 21 Mapping and Sequencing
Consortium: * RIKEN Genomic Sciences Center, Human Genome Research
Group * Institute of Molecular Biotechnology, Genome Analysis *
Keio University School of Medicine, Dept. of Molecular Biology *
GBF, Dept. of Genome Analysis * Max-Planck Institute for Molecular
Genetics (addresses see below)
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   Length 142742;
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Homo sapiens chromosome 21 segment HSZICO80.
Aliesses APO1735 BA000005
   Query Match 24.4%; Score 302; DB 9; Le Best Local Similarity 100.0%; Pred. No. 6.4e-168; Matches 302; Conservative 0; Mismatches 0;
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* e.mail: sakaki@gsc.riken.go.jp
* URL: http://hgp.gsc.riken.go.jp/
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274074 GAAGAGCTGAAGGCCGCAAGTCTGCAACTGTAAATCTCACTGTGATTCGGTGTCCCCA 274133
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Ludewig, M., Thies, S., Weber, K. and Bloecker, H.

Burect Submission
Submitted (03-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder
Weg 1, D-38124 Braunschweig, Germany, E-mail: info.genome@gbf.de
The Chimpanzee Chromosome 22 Sequencing Consortium consists of:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CH1/9K04 182532 bp DNA linear PRI 16-OCT-200
Pan troglodytes chromosome 22 BAC CH251-179K04, complete sequence.
AL954228
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pan.
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                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                      Query Match 24.4%; Score 302; DB 9; Le Best Local Similarity 100.0%; Pred. No. 6.9e-168; Matches 302; Conservative 0; Mismatches 0;
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Contact: info.genome@gbf.de
                                                                                                                                                                                    /rpt_family="SINE/Alu"
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                                                                                                                                                complement(13115. .13425)
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12649. .12678
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Pan troglodytes
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Center code: GBF
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oin(3473. .3565,12649. .12678,15331. .15426)
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complement (10078. .10429)
/note="THEIB"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              complement (6887. .7067)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /rpt_type=DISPERSED
complement (8482. .8762)
/note="AluJo"
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/rpt_type=DISPERSED
complement(9723..9882)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /rpt_family="SINE/Alu"
/rpt_type=DISPERSED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /rpt_family="LTR/MaLR"
/rpt_type=DISPERSED
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/rpt_type=DISPERSED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note="L1MD3"
/rpt_family="L1NE/L1"
/rpt_type=D1SPERSED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /rpt_family="LINE/L2"
/rpt_type=DISPERSED
91317. 9424
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/rpt_type=DISPERSED
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'rpt_type=DISPERSED
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    3473. .3565
/gene="SH3BGR"
/number=4
5542. .5829
/note="AluSx"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /rpt_type=DISPEF
10980. .11000
/note="(TTTA)n"
note="(TCCA)n"
                                                                                                                                                    4/3. .1915/
/gene="SH3BGR"
|oin(<3473. .35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'note="AluSp"
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The PTB1 chimpanzee BAC library was prepared from DNA isolated from cultured cells established from the blood of a single male
                                    Submitted (15-MAY-2003) Naruya Saitou, National Institute of Genetics (NIG), Division of Population Genetics; 1111 Yata, Mishima, Shizuoka 411-8840, Japan (E-mail:nsaitou@genes.nig.ac.jp, NIL:http://sayer.lab.nig.ac.jp/, Tel:81-55-981-6790, Fax:81-55-981-6789)

The Chimpanzee Chromosome 22 Sequencing Consortium consists of: *Chimpanzee Chromosome Center at Shanghai, Shanghai, Ghina; *Chinese National Human Genome Center at Shanghai, Shanghai, China; *GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute of Molecular Biotechnology, Jena, Germany; *KRIBB Genome Research
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This sequence was finished as follows unless otherwise noted: all regions were double stranded, sequenced with an alternate chemistry, or covered by high quality data (i.e., phred quality >=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         of reads Assembly
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This entry has been annotated with sequence estimates computed by the Phrap assembly program.
All manually edited bases have been reduced to quality zero. Quality levels above 40 are expected to have less than 1 error
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Center, Daejeon, Korea; *Max-Planck-Institute for Molecular Genetics, Berlin, Germany; *National Institute of Genetics, Mishima, Japan;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                      *National Yang Ming University Genome Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Neighboring clones; CH251-179K04(left) and PTB-103H04(right). Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                an attempt was made to resolve all sequencing problems, such compressions and repeats; all regions were covered by at one
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       chimpanzee.
Clones may be obtained from Asao Fujiyama and co-workers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequencing vector: pUCil8; 100% of reads
Chemistry: Dye-terminator Big Dye and dGTP; 100%
program: Phrap; version 0.990329
Consensus quality: 156,231 bases at least Q40
Consensus quality: 156,288 bases at least Q30
Consensus quality: 156,288 bases at least Q20
                                                                                                                                                                                                                                                                                                                                                                                                                            *RIKEN Genomic Sciences Center, Yokohama, Japan.
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/clone_lib="PTB1 chimpanzee BAC"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               subclone or more than one M13 subclone;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center: National Institute of Genetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Web site: http://sayer.lab.nig.ac.jp/
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/organism="Pan troglodytes"
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/db_xref="taxon:9598"
/chromosome="22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (http://www.gsc.riken.go.jp).
VECTOR: pKS145
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Center code: NIG
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                                                                                                                                                                                                                                                                                                                                                                                                     + Analysis and annotation were performed with the automatic + 'first-pass' annotation and submission tool + 'AnnoWitter' (Hornischer & Bloecker). + Programs used by 'AnnoMitter': + +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bukaryota; Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Pan.
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Pan troglodytes chromosome 22 clone:PTB-060F12, map 22, complete
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Pan troglodytes"
/mol_type="genomic DNA"
/db_xracn:9598"
/cb_xracn:9598"
/clone="CH251-179K04"
/.olone="CH2512"
/note="assembly_fragment-clone_end:77~vector_side:left
assembly_fragment.clone_end:8P6~vector_side:left
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      525 GGCTCCCGGATATTTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTG
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Saitou,N., Kim,C., Kitano,T., OOta,S., Shimada,M., Kryukov,K.,
Tomiki,T. and Kohara,Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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DNA sequence of chimpanzee chromosome 22 and its evolutionary implications
Unpublished
                                                                                                                                                                                                                                                                                          Estimated insert size: ##; agarose-fp estimation
Estimated insert size: 182532; sum-of-contigs estimation
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0
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                                                                                                                            ##% of reads
                                                                                                                         Chemistry: Dye-terminator-amersham: ##% of re
Chemistry: Dye-primer-amersham: ##% of reads
Assembly program: ##
                                                                                                                                                                                                                                                                                                                                                                            PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
                                                                                                                                                                                                        Consensus quality: 0 bases at least Q40 Consensus quality: 0 bases at least Q30 Consensus quality: 0 bases at least Q20
Center project name:
Center clone name: CH251-179K04
------ Summary Statistics
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                                                                                                     Sequencing vector: ###;
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Best Local Similarity
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at_region complement(5113. /evidence=not_exp /rpt_family="LIPA		repeat_region 8048. 8178 /evidence=not_experimental /rpt_family="L2" exon 8771. 8876	/note="MZEF, scor /evidence=not_exp	at_region	exon 88318876 /note="GRAL" score = 55.000%, comment = good shadow" /evidence=not experimental		repeat_region complement(9190. 9258) /evidence=not_experimental	/rpt_family="LimC3" repeat_region 9259. 9647	/evidence=not experimental /rpt_family="InKG" repeat region complement(10138		repeat_region 10662. 10875	/crecinc_no_crecincincincincincincincincincincincincinc		1	ion, score = 898		exon 1157011704 /note="MZEA" score = 66.1%" /note=mZEA: score = 66.1%"	/v.v.dei.ce_interical 11570. 11704. 11705. (comment = excellent shadow" /note="GRAIL, score = 99.000%, comment = excellent shadow"		revidentello experimental /rpt family="MIR" repeat region complement(11774. 12220)		exon complement (1182811949) //note="GRAIL, score = 50.000%, comment = good" //notional content = forment = good"	repeat_region 1263312843	/evlaence=noc experimental /rpt family="AluSx" reneat region 11107 11447	/evidence=not /rpt_family="	exon complement(1348113519) //note="GRAIL, score = 55.000%, comment = good" //notable.comment = good"	repeat_region 15051510.	misc_feature 1513015378
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note="GC score = 10.60 (249bp); Region: GC content"
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fevidence=not experimental
complement(19379, .19399)
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complement (17805. 17864)
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18076. 18098
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19945. .20020
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/note="MZEF, score = 79.48"
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21483. .21781
/evidence=not_experimental
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/evidence=not_experimental
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20645. .20910
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17326. .17436
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complement(21504...2
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20961. .21007
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Homo sapiens chromosome 21 clone PAC 70124 map 21g22.3, complete
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Rump, A., Dagand, E., Hildmann, T., Nordsiek, G., Drescher, B., Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A. Direct Submission
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On Feb 27, 2002 this sequence version replaced gi:3171153.
Location/Qualifiers
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Why, A., Dagand, B., Hildmann, T., Nordsiek, G., Drescher, B.,
Weber, J., Schattevoy, R., Yaspo, M.-L. and Rosenthal, A.
Direct Submission
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100.0%; Pred. No. 2e-58;
tive 0; Mismatches 0; Indels 0;
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/clone="PAC 70124"
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HTG; HTGs DRAFT.
Homo sapiens (human)
Homo sapiens
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Best Local Similarity 100.0
Matches 119; Conservative
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AF064860
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Indels

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RP43002119 192219 bp DNA linear PRI 19-NOV-2003
Pan troglodytes chromosome 22 BAC RP43-002119, complete sequence.
AL954227
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Direct Submission

Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder Submitted (25-JUN-2003) GBF, Dept. of Genome Analysis, Mascheroder Meg 1, D-38124 Braunschweig, Germany, E-mail: info.genome@gbf.de on Nov 19, 2003 this sequence version replaced gi:38228900.

The Chimpanzee Chromosome 22 Sequencing Consortium consists of: *Chimpes National Human Genome Center at Shanghai, Shanghai, China *GBF, Dept. of Genome Analysis, Braunschweig, Germany; *Institute of Molecular Bioteonology, Jena, Germany; *KRIBB Genome Research
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pan. 1 (bases 1 to 192219)
The Chimpanzee Chromosome 22 Sequencing, Consortium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Center, Daejeon, Korea;
*Max-Planck Institute for Molecular Genetics, Berlin, Germany,
*National Institute of Genetics, Mishima, Japan;
*National Institute of Genetics, Mishima, Japan;
*National Yang Ming University Genome Research Center, Taipei,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequencing vector: ###;
Chemistry: Dye-terminator-amersham: ##% of reads
Chemistry: Dye-primer-amersham: ##% of reads
Assembly program: ##
Consensus quality: 0 bases at least Q40
Consensus quality: 0 bases at least Q30
Consensus quality: 0 bases at least Q20
Estimated insert size: ##; agarose-fp estimation
Estimated insert size: ##; agarose-fp estimation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         *RIKEN Genomic Sciences Center, Yokohama, Japan.
PROGRAMS AND PARAMETERS USED FOR ANNOTATION:
Chimpanzee chromosome 22 genomic sequence
Unpublished
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Web site: http://genome.gbf.de/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Center: GBF, Braunschweig
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Pan troglodytes
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RP43002I19
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37518. .38158
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/rpt_famlly="L2"
3952 39861
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39884 40122
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Best Local Simi
Matches 100;
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191622 GGGAACTTCACCTCGGAGATGATCATCCACAATGTGGAGCCCAGTGATTCGGGGGAACATC 191681
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VRAQRGVTESASSANVPDEAGTWVEVVRGNQRGNKQNGVNLPQQSADRQPAHGHQQW
                                                                                                                                                                                    GGGAACTICACCTCGGAGATGAICAICCACAAIGIGGAGCCCAGIGAIICGGGGAACAIC 379
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RQIGVGRRTPRDHLLLPLSRDVDSAALKDIIQEVIGERGSVTVRTEMARVVLOCIDNM
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CSVHEAPKVSGQLTRCFRCLERGHIAATCTGEDRSKRCLRCGDQTHKASGCTNEVKCM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 (bases 1 to 6470)
Kojima, K., and Fujiwara, H.
Direct Submission
Submitted (16-AUG-2002) Kenji K Kojima, University of Tokyo,
Department of Integrated Biosciences, Graduate School of Frontier
Sciences; Bioscience Building 501, 5-1-5 Kashiwanoha, Kashiwa,
Chiba 277-8562, Japan (E-mail:kk27513@mail:ecc.u-tokyo.ac.jp,
Iel:81-4-7136-3661, Fax:81-4-7136-3660)
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assembly_fragment-clone_end:SP6-vector_side:right"
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Anopheles gambiae retrotransposon R7Ag1 DNA, complete sequence.
AB090820
                                                                                                                                             Gaps
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Anopheles gambiae
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
Anopheles.
                                                                                                                                             ;
                                                                                            Length 192219;
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Evolution of Target Specificity in R1 Clade Non-LTR
                                                                                       5.8%; Score 72; DB 9; Length 192
100.0%; Pred. No. 2.7e-30;
tive 0; Mismatches 0; Indels
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Mol. Biol. Evol. 20 (3), 351-361 (2003)
22531580
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1. .6470
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        'protein_id="BAC57916.1"
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Matches 72;
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AB090820/c
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HRRLLAAPGASRKDIRLEERQGTFQEWQRAWDAAAAATASRYAVWARRMIPDLHLWM
SRRHGEVDFHLSQVLTGHGYPREYLHVCGFAPSAECPRCPGSVESVAHVLFQCEVFHE
IRVELLGYGTSDPVNENNLGMKLLESPERWNSIQEAARKITKVLQQLWREDELQLNLQ
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YRORAREGTLPTVPHGRNRRSRSAPSEADTIRRRMRRREMERLRRTARRVPSNOGVRE
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100.0%; Pred. No. 0.027;
Live 0; Mismatches 0; Indels
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Best Local Similarity
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GenCore version 5.1.6
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- nucleic search, using sw model nucleic ĕ

September 14, 2004, 19:19:38; Search time 531.923 Seconds (without alignments) 9903.249 Million cell updates/sec Run on:

US-09-729-264-5 1240

Title: Perfect score:

1 aggtgtgagtccagccaaca......gtaatacaactgtagtatag 1240 Sequence:

Scoring table:

OLIGO_NUC Gapop_60.0 , Gapext 60.0

3373863 seqs, 2124099041 residues Searched:

0 Word size

5744508 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 16 Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

N_Geneseq_29Jan04:* geneseqn1980s:* geneseqn1990s:*

geneseqn2001as:*
geneseqn2001bs:* geneseqn2003as:* geneseqn2003bs:* geneseqn2003cs:* geneseqn2000s:* geneseqn2002s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

geneseqn2004s:*

SUMMARIES

TES	Description	Abk13030 DNA encod			DNA	DNA	Aas92356 DNA encod	Ach16130 Human adu	Aai36582 Probe #52	Probe			Abk13032 DNA encod	Aav99359 5' PCR Dr	Ara	Aav35364 Human GDN	Aav35365 Human GDN	Aaa12547 DNA encod	Aav00251 Human Ret	Aaz29104 Human GFR	Aav99333 Glial cel	Aaz93702 PRO538 DN	Aaa88519 Human PRO	Odd memit Clatters
SUPIFIERIES	ID	ABK13030	ADB62950	ABK13028	ABK13029	ABK13031	AAS92356	ACH16130	AAI36582	AA104335	ABL15493	ABL15492	ABK13032	AAV99359	ABN99162	AAV35364	AAV35365	AAA12547	AAV00251	AAZ29104	AAV99333	AAZ93702	AAA88519	AAA77617
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æ	Query Match	100.0	90.7	9.98	78.7	59.6	58.7	21.6	11.6	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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ALIGNMENTS

RESULT 1

Human; B7-like protein; B7-L; antiinfertility; gynaecological; antithour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermacological; antiporiatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antidiabetic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder, graft versus hose disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; disease; endocrinopathy; lymphoproliferative disorder; gene; ss. DNA encoding human B7-like protein, B7-L_h3. ABK13030 standard; cDNA; 1240 BP. (first entry) 23-APR-2002 **ABK13030**

Homo sapiens.

/*tag= a /product= "B7-like protein, B7-L_h3" Location/Qualifiers 80. .1240 /*tag=

WO200200710-A2

03-JAN-2002.

28-JUN-2001; 2001WO-US020719

28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264.

(AMGE-) AMGEN INC.

HT; Chute Schultz HJ, Welcher AA, Sarmiento UM,

WPI; 2002-130881/17. P-PSDB; AAU75542.

New B7-like polypeptides, polynucleotides and their modulators, useful for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

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growin and maintenance or canter ceits based on the observation of growin and maintenance or cancer ceits based on the observation of geninal vesicle hyperplasia in transpend mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic systems P7-L polypeptide or pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cc call mediated diseases and autoimmune diseases involving chronic immune cell dysfunction or to treat autoimmune diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and cucrative collitis), Gave's disease, Habshimoto's thyroiditis and classase uncertaine collitis, Tay are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases (convolving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosenitisation due to blood transfusions, and for treatment of alleray, astima and hypersensitivity reactions, nephropathies (extransic alveolitis), vasculopathies, coeliac disease, coeliac disease, coeliac disease, anamamia, thrombocytopenias, Guillain-Barre syndrome and myasthenia. The gravis, and iymphoproliferative disorders such anamamia, thrombocytopenias, Guillain-Barre syndrome and myasthenia. The gravis, and pemphigus ended producer syndrome coding sequence of human B7-L h3
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                                          The invention relates to an isolated B7-like (B7-L) polypeptide (I). The useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTCTCAGTGA
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             421 ccrraccerccaagrraresaagagcrerrcarrccagrerraarcrigragrescrea
                                                             CTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTTTGTTCCGGAGCCCCAGCGA
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                                           GAATGAACCTTGTGAAGTTACTTGTCTACCCTCACACTGGACCCCGGCTCCCGGATATTTC
                                                                                                                                                                                                                                                                                  TCGGTGTCCCCCAAGACACTGGAGGTGTATTATTATTTCCAGGTGTATTATCAAGTTTACC
Human; ss; gene; pharmaceutical; diagnostic; gene therapy; tissue regeneration; cell regeneration; membrane protein; signal transduction-related protein; transcription-related protein; osteoporosis; neurological disease; cancer; tumour.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention discloses a polynuclectide comprising a sequence selected from 1970 fully defined nucleotide sequences which encode novel

CC polypeptides. Also claimed is a polypeptide encoded by the polynuclectide or peptide or its partial peptide, an antibody binding to the polypeptide or peptide of the polynuclectide by contacting the polypeptide or peptide or peptide of the polynuclectide by contacting the polypeptide or peptide or with the antibody of the encoded protein, and observing the binding between the two, a transformant carrying the polynuclectide in an expressible manner and an antisense polynuclectide. The oligonuclectide is useful as a primer for synthesising the polynuclectide, or as a probe of some may be included in them, for developing and disposic marker or proteins are useful as pharmaceutical agents and many disease-related proteins are useful as pharmaceutical agents and adapostic marker or engineeration. Membrane proteins, signal transduction-related proteins, cf genes many be used as indicators for diseases (e.g. osteoporosis, transcription-related proteins, signal transduction-related proteins, cremical activity or expression of the encoded protein but a conding them can be used as indicators for diseases (e.g. osteoporosis, neurological diseases, cancer, tumours. The CDNA may be used to regulate the activity or expression of the encoded protein to treat diseases. The sequence presented is a cDNA of the invention. Note: Some of the sequence of the activity or expression of the invention. Note: Some of the sequence of the activity or the printed protein the printed specification of the conding the printed specification.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Otsuki T, Wakamatsu A, Sato H, Ishii S;
Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I;
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       262
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New polynucleotides and polypeptides, useful for developing a diagnostic marker or medicines for regulation of their expression and activity, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            is based on sequence information supplied by the European Patent Office.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             263 TCCCAGGCTGCATTCAACTGCACGGCTTCCCAGGGCTGGAAGCTCATGTGGGCTTCTC
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                                                                                      /product= "Clone PLACE60177880 protein'
     Location/Qualifiers
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(REAS-) RES ASSOC BIOTECHNOLOGY.
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                                                                                                                                                                                                                                                                                                              05-NOV-2001; 2001JP-00379298.
25-JAN-2002; 2002US-00350978.
                                                                                                                                                                                                                                                          28-MAR-2002; 2002EP-00007401
                                     104. .1327
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Matches 1125; Conservative
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J, Isono Y, H
Yoshikawa T, (
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P-PSDB; ADB64920.
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Human; B7-like protein; B7-L; antinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antitunation antitunation; dematological; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antidiabetic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
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sapiens.

Location/Qualifiers . .1175 /*tag=

/product= "B7-like protein, B7-L_hl"

WO200200710-A2

03-JAN-2002

28-JUN-2001; 2001WO-US020719.

28-JUN-2000; 2000US-0214512P. 28-NOV-2000; 2000US-00729264.

(AMGE-) AMGEN INC.

Schultz HJ, Chute HT; Sarmiento UM, Welcher AA,

WPI; 2002-130881/17. P-PSDB; AAU75540.

nsefnl immune and New B7-like polypeptides, polynucleotides and their modulators, for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.

Claim 1; Fig 1; 135pp; English

seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (1) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases involving chronic immune cell dystunction or to treat autoimmune diseases such as systemic lupus erythematosus, rheumatoid arthritis, multiple sclerosis, diabetes, The invention relates to an isolated B7-like (B7-L) polypeptide (1). The polypeptide, polymucleotide encoding it and antibody against (1) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (1) plays a role in growth and maintenance of cancer cells based on the observation of immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and ulcerative collitis), Grave's disease, Hashimoto's thyroditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allergy, asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrinsic alveolitis) vasculopathies, coeliac disease, anaemia, thrombocytopenias, dilliain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The

ខ្ព	esent sequence represents the coding sequence of hu	
	equence 1175 BP; 295 A; 307 C; 286 G; 287 T;	
Que. Bes	ry Match L Local Similarity 99.9%; Pred. No. 0; ches 1124; Conservative 0; Mismatches	
දු පු	6 GGTTCTGGGTCTGGTAATGAAGTCATAGAAGGCCCCCA 	
οy	CCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGCTCTC 2	
DP	1 CCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCATCATGTGGGGCTCCT 17	
ΟŅ	6 AGTGACATGGTGGTGAGGGTCAGGCCCATGGAGCCCATCATCACCAATGACGCTTC 29	
d d	71 AGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCACCAATGACCGCTTC 23	
9 9 9	GGGAACTICACCTGGAGATGATCATCCACAATGTG 3	
ογ	GGGAACATCAGATGCAGCCTCCAGAACAGTCGCCTGCATGGATCT 4	
qq	sccadidaticogogaacaicagaiccadciccadaacadicocciocaigoaici 35	
à i	16 GCTTACCTTACCGTCCAAGTTATGGGAGAGCTGTTCATTCCCAGTGTTAATCTTGTAGTC	
g G	SI GUTTACCITACCGICCAAGTTAIGGGAGGGGTTCCATTCCCAGGGTAATCTTGTAGTC 41	
ે દ	TIGICIACCCTCACACTGGACCCGGCTCCCGGAT 5	
3	***************************************	
상 음 상	536 AITTCCTGGGAGCTCGGTCTCCTGGTCAGCCATTCAAGCTATTATTTGTTCGGAGCCC 595	
δ	GCGACCTTCAAAGTGCGAGGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTG 65	
QQ	531 AGGACCTTCAAAGHGCAGTGAGCATCCTGGCTCTGACCCCACAGAGCAATGGGACTTTG 590	
λ	SCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACT 7	
qq	CTIGCGIGGCTACCTGGAAGACCTGAAGGCCCGCAAGTCTGCAACTGTAAATCTCACT 65	_
ò	16 GTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATATATA	
අ	1 GTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGGTGTATTATCAAGT 71	
λ α α	776 TIACCGAGITITAGGITITICATIGCCTACTIGGGGCAAAGTIGGACTIGGACTAGGACG 835 [] [] [] [] [] [] [] [] [] [] [] [] []	
δ	CCANGCITCIDACCCCGACGTGTACTCTACAATACGCTGCTGCTGCTGCTGCTCGT 8	
qq	771 ACCATGCTTCTGACGCCGACGTGTACTCTTACAATACGCTGCTGCTGCTGCCGCCGTCGT 830	
δλ	FIGHTGEGGCTGCAACTGCTGCTGCCGTTGTTGTTTCT	
qo	GITGIGGCIGCAACIGCIGCIGCIGTIGITICIGCIGIAGAAGAAAAAGAGAITI 89	
δí	56 CGTATTCAATTTCAAAAGAAATCTCAAAAAGAGAAGAAAAAAAA	Ŋ
gg	91 CGTATTCAATTTCAAAAGAAATCTGAAAAAGAGAAGACAAACAA	
کې د	AAACCGCTTCT 107/ 	ے ما
r vo	76 CTCCCTCCCAAATCCTGTGAATCCAGTGATCCTGAACAAAAAAAA	

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to an isolated B7-like (B7-L) polypeptide (1). The polypeptide, polynucleotide encoding it and antibody against (1) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                                                                                                                                                                                                              Human; B7-like protein; B7-L; antiinfertility; gynaecological; antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic; antiinflammatory; dermaclogical; antipsoriatic; neuroprotective; antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antidasthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seminal vesicle hyperplasia in transgenic mice overexpressing B7-L by by pythide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoletic system. B7-L polypeptide
1071 CCTCACCAGGGGGCTGATCAACGTCCAGGCCAGGCAAGTCATCACACAGGCTTCTTTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New B7-like polypeptides, polynucleotides and their modulators,
                                                                                              1196 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1240
                                                                                                             1131 AATCTGGCCAGTCCTGAGAAGGTCAGTAATACAACTGTAGTATAG 1175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*tag= a
/product= "B7-like protein, B7-L_h2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chute HT;
                                                                                                                                                                                                                                                                       DNA encoding human B7-like protein, B7-L_h2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Schultz HJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; Fig 2; 135pp; English
                                                                                                                                                                                       ABK13029 standard; cDNA; 1168
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                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMGE-) AMGEN INC.
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                                                                                                                                                                                                                                              23-APR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Welcher AA,
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                                          1136
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pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autoimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic upus expthematosus, rheumatorid architis, multiple sclerosis, diabetes, immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease such as inflammatory bowel disease (Crohn's disease and claease such as inflammatory bowel disease (Crohn's disease and claease incolitis), Grave's disease, Hashimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for bone marrow and organ transplantation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-L polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allosensitisation due to blood transfusions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various pneumopathies (extrins) aveolitis), vasculopathies, coeliac disease, anaemia, thrombocytopenias, Guillain-Barre syndrome and myasthenia gravis, and lymphoproliferative disorders such as multiple myeloma. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   91 AGTCCTGAAGGGCTCCCAGGCTCGCTTCAACTGCACGTCTCCCAGGGCTGGAAGCTCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             211 CAATGACCGCTTCACCTCTCAGAGGTACGACCAGGGCGGGGAACTTCACCTCGGAGATGAT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1168 BP; 299 A; 302 C; 288 G; 279 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 976; I
Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    78.7%;
99.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 78.7
Best Local Similarity 99.8
Matches 1076, Conservative
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1; Fig 4; 135pp; English.

Claim

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antitumour; cytostatic; immunosuppressive; antiarthritic; antirheumatic;
antiinflammatory; dermatological; antipsoriatic; neuroprotective;
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The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymucleotide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, polypeptide. Hence modulators of [1] are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cresticular cancer and cancers of haematopoietic system. B7-L polypeptide cancer including seminal vesicle cancer, lung, brain, breast, ovarian, cresticular cancer and cancers of haematopoietic system. B7-L molecules are useful cor alleviating the symptoms associated with diseases involving chronic immune cell dysfunction or to treat autoimmune diseases such as systemic immune thrombocytopenic purpura and psoriasis, chronic inflammatory canser mellitus. They are also useful as immune thrombocytopenic purpura and psoriasis, chronic inflammatory disease mellitus. They are also useful as immune such as inflammatory bowel disease (Crohn's disease and collisis), Grave's disease, Hashimoto's thyroiditis and cancerative colitis), Grave's disease, Hashimoto's thyroiditis and cancerative colitis), Grave's disease, Hashimoto's thyroiditis and collise are also useful for diagnosis and treatment of diseases contransing morning and prominal cell proliferation or to prolong graft survival. B7-L molecules are also useful for diagnosis and treatment of diseases
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activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The polypeptide and polynuclectide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations capposable for generate disorders or other traits to assess biodiversity and to produce other types of data and products dependent on DNA and amino acid sequences. AAS64197-AAS94564 represent novel human diagnostic coding sequences of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in electronic format directly from WIPO at the wipo.int/pub/published_pot_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 AIGTGGGCTCTCAGTGACATGGTGGTGGTAAGCGTCAGGCCCATGGAGCCCATCATCACC
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                                                                                                                                                                                                                                                                                                                                                                  Score 728; DB 5; Length 1392;
Pred. No. 0;
                                                                                                                                                                                                                                                                                                                             Sequence 1392 BP; 338 A; 361 C; 341 G; 352 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                     58.7%; Scor.
100.0%; Pred. No. v,
... 0; Mismatches
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                                             504 TGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCACACAGAG
                                                                                                             TGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGGTATTAATATTCCAGG
                                                                                                                                                                                          624 IGTAAATCTCACTGTGATTCGGTGTCCCCAAGACACTGGAGGTGTATTAATATTCCAGG
                                                                                                                                                                                                                                              TGTATTATCAAGTTTACCGAGTTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT
                                                                                                                                                                                                                                                                                                                          TGGACTAGCAGGCACCATGCTTCTGACGCCGACGTGTACTTCTTACAATACGCTGCTG
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        TGTTCCGGAGCCCAGCGACCTTCAAAGTGCAGTGAGCATCCTGGCTCTGACCCCACAGAG
                                                                                       CAATGGGACTTTGACTTGCGTGGCTACCTGGAAGAGCCTGAAGGCCCGCAAGTCTGCAAC
                                                                                                                                                                                                                                                                                   684 IGTATTATCAAGTTTACCGAGTTTAGGTTTTTCATTGCCTACTTGGGGCAAAGTTGGACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, chromosome mapping, gene mapping, gene therapy, forensic, food supplement, medical imaging; diagnostic, genetic disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess biodiversity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA encoding novel human diagnostic protein #28160
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1093 TGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA 1152
                                                                                     TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 1212
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                                                                                                            243 TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA 302
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human genome-derived single exon nucleic acid probes useful for analyzing
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                                       183 TGAATCCAGTGATCCTGAACAAAGAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Probe #5268 used to measure gene expression in human placenta sample.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Probe; microarray; human; placenta; antenatal diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 401 BP; 105 A; 98 C; 111 G; 87 T; 0 U; 0 Other;
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                                                                                                                                                                                                                        303 GAAGGICAGIAATACAACIGIAGIATAG 330
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
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30-JUN-2000; 2000US-00608408
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polynucleotide sequences obtained from various cDNA libraries, useful
                                                                                                                                                                                                                                            ss; sequencing by hybridisation; SBH; expressed sequence tag; EST;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated polynucleotide comprising any one of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           as hybridization probes, as oligomers for PCR, for chromosome and gene mapping, in the recombinant production of protein, or in generating antisense DNA or RNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 474 BP; 154 A; 128 C; 96 G; 95 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Dickson MC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21.6%; Score 268; DB B; Le 100.0%; Pred. No. 1.4e-124;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    seqdata.uspto.gov/sequence.html?DocID=20030073623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
                                                                                                                                                                                                                                                                   mapping; biodiversity; genetic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Stache-Crain B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; SEQ ID NO 3342; 44pp; English.
                                                                  ACH16130 standard; cDNA; 474 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                           30-JUL-2001; 2001US-00918995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30-JUL-2001; 2001US-00918995
                                                                                                                                                                                                   Human adult heart cDNA #444.
                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LABAT I.
STACHE-CRAIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DRMANAC R T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DICKSON M C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-615964/58.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (DICK/) DICKSON M (JONE) JONES L W.
                                                                                                                                                                                                                                                                                                                                                      US2003073623-A1.
                                                                                                                                                                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RI,
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                                                                                                                                                       13-0CT-2003
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                                                                                                            ACH16130;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DRMA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (LABA/)
(STAC/)
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Drosophila melanogaster.
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                                                                                                                                                                                                                                                                                                                            (PEKE ) PE CORP NY
                                                                                                                                                                                                                                                                                                                                                                                                         P-PSDB; ABB71390
                                                                                                                                                                                    WO200171042-A2
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                                          26-MAR-2002
                                                                                                                                                                                                                                                                                                                                                           Venter JC,
             ABL15493;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to novel single exon nucleic acid probes. The present sequence is one such probe. The probes are useful for measuring human gene expression in a human breast sample, where the probe bybridises at high stringency to a nucleic acid expressed in the human breast. The probes are useful for predicting, diagnosing, grading, staging, monitoring and prognosing diseases of the human breast, particularly those diseases with polygenic actiology. The diseases include: breast cancer, disorders of development, inflammatory diseases of the breast, fibrocystic changes, proliferative breast disease and non-carcinoma tumours. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel single exon nucleic acid probe used to measuring gene expression in
                                                                                                                                                                                                                                                                 Inflammatory disease; proliferative breast disease; non-carcinoma tumour.
                                                                                                                                                                                                                                               Probe; human; breast disease; breast cancer; development disorder; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                   Probe #4326 used to measure gene expression in human breast sample.
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0.069;
hes 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 25; SEQ ID NO 4326; 322pp; English
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             283 CAATGACCGCTTCACCTCTCAGAG 306
                               378 CAATGACCGCTTCACCTCTCAGAG 401
                                                                                                                       BP
                                                                                                                                                                                                                                                                                                                                                                                                                      2000US-0180312P.
2000US-0207456P.
2000US-00608408.
2000US-0053366.
2000US-0234687P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MOLE-) MOLECULAR DYNAMICS INC
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                                                                                                                                                                                                                                                                                                                                                                                          2001WO-US000661
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                                                                                                                       AAI04335 standard; DNA; 357
                                                                                                                                                                                    (first entry)
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Les 25; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 a human breast
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26-MAY-2000;
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                                                                                                                                                                                    09-OCT-2001
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                                                                                                                                                      AAI04335;
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Matches
                                                                                      RESULT 9
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SON COURSE SERVICE SER

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The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention useful in developmental biology and in elucidating cell signalling and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16176) and the encoded proteins (ABBS7773-ABR2072). The sequence data for this patent did not form part of printed specification, but was obtained in electronic format directly from NIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cell-cell interactions in higher eukaryotes for the development of
                                             Orosophila melanogaster expressed polynucleotide SEQ ID NO 40961.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Drosophila melanogaster expressed polynucleotide SEQ ID NO 40958.
                                                                                                 developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Drosophila; developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6507 BP; 1745 A; 1888 C; 1712 G; 1162 T; 0 U; 0 Other;
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Pred. No. 0.24;
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100.0%; Pred. No. v
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          872 CGCTGCTGCTGCTGCCGCCGTCGT 895
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Li PWD,
                                                                                                                                                                                                                                                                                                                                       23-MAR-2001; 2001WO-US009231.
                                                                                                                                                                                                                                                                                                                                                                                       23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150.
(first entry)
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                                                                                                                            pharmaceutical; gene; ss
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AGGATITCGTATICAATTICAAAAG 66

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ABL15493 standard; cDNA; 6507 BP

RESULT 10 ABL15493/c ID ABL15

useful

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pathway can be manipulated to regulate cytotoxic T-lymphocyte response in allograft transplantation, graft versus host disease, T-cell dependent B-cell mediated diseases and autorimmune diseases. B7-L molecules are useful for alleviating the symptoms associated with diseases involving chronic lumune cell dysfunction or to treat autorimmune diseases such as systemic lupus erythematosus, rheumatorid arthritis, multiple sclerosis, diabetes, immune thrombocytopenic purpura and psoriasis, chronic inflammatory lowel disease such as inflammatory bowel disease (Crohn's disease and ulcerative colltis), Grave's disease, Habhimoto's thyroiditis and diabetes mellitus. They are also useful as immunosuppressive agents for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     bone marrow and organ transplantation or to prolong graft survival. B7-1 molecules are also useful for diagnosis and treatment of diseases involving abnormal cell proliferation, including arteriosclerosis and vascular restenosis. Antagonists of B7-1 polypeptides are useful for alleviation of toxic shock syndrome or allosensitisation due to blood transfusions, and for treatment of allerapy asthma and hypersensitivity reactions, nephropathies (e.g. glomerulonephritis), skin disorders (pemphigus and pemphigoid), endocrinopathies (Grave's disease), various phenogathies (extrinsic alveolitis), vasculopathies, coellac disease, anaemia, thrombocytopenias, Guillain-Barre syndrome and myasthemia gravis, and lymphoproliferative disorders such as multiple myeloma. The
                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to an isolated B7-like (B7-L) polypeptide (I). The polypeptide, polymedicatide encoding it and antibody against (I) are useful for treating B7-like polypeptide-related disease, disorders or conditions including reproductive disorders (e.g. infertility, miscarriage, preterm labour and delivery and endometriosis) and proliferative disorders. Antibodies, soluble proteins comprising extracellular domains and other regulators of B7-L polypeptides are useful for enhancing the immune response to tumours. (I) plays a role in growth and maintenance of cancer cells based on the observation of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     seminal vesicle hyperplasia in transgenic mice overexpressing B7-L polypeptide. Hence modulators of (I) are useful for the treatment of cancer including seminal vesicle cancer, lung, brain, breast, ovarian, testicular cancer and cancers of haematopoietic system. B7-L polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5' PCR primer for GDNFR-gamma1 cDNA encoding the full length protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                 for diagnosing, preventing and treating reproductive, immune and proliferative disorders, e.g. cancer and arteriosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            present sequence represents the coding sequence of mouse \mathtt{B7-L-m1}
                                                                                                                                                                                                                                                                                        New B7-like polypeptides, polynucleotides and their modulators,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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                                                                                                                                                          Chute HT;
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100.0%; Pred. No. v.
... 0; Mismatches
                                                                                                                                                          Schultz HJ,
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                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; Fig 5; 135pp; English
                        28-JUN-2000; 2000US-0214512P.
28-NOV-2000; 2000US-00729264.
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Best Local Similarity 100.
Matches 23, Conservative
                                                                                                                                                       Welcher AA, Sarmiento
                                                                                                                                                                                                              WPI; 2002-130881/17.
                                                                                                     (AMGE-) AMGEN INC.
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AAV99359
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (ABBS7737-ABB72072). The sequence data for this patent did not form part of printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mouse, B7-like protein, B7-L, antiinfertility, gynaecological, antitumour; cytostatic, immunosuppressive, antiarthritic, antirheumatic, antiinflammatory, dermatological, antipsoriatic, neuroprotective,
                                                                                                                                                                                                                                                                                                                                                                   New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antidiabetic; haemostatic; antithyroid; antiulcer; antiallergic; antiasthmatic; nephrotropic; antibacterial; virucide; tumour; cancer; reproductive disorder; graft versus host disease; autoimmune disease; toxic shock syndrome; allergy; nephropathy; skin disorder; endocrinopathy; lymphoproliferative disorder; gene; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 .,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 1; SEQ ID NO 40958; 21pp + Sequence Listing; English.
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                                                    23-MAR-2001; 2001WO-US009231
                                                                                                     23-MAR-2000; 2000US-0191637P
11-JUL-2000; 2000US-00614150
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Best Local Similarity 100.
Matches 24; Conservative
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                                                                                                                                                                                                                                                                                           WPI; 2001-656860/75
                                                                                                                                                                                   (PEKE ) PE CORP NY
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                                                                                                                                                                                                                                                                                                                                                                                                                       interactions.
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27-SEP-2001
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ABK13032;

RESULT 12 ABK13032

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PCR primers AAV99359-60 were used to amplify cDNA encoding the full length protein of a glial cell line-derived neurotrophic factor receptor gamma 1 (GDNR-agamia). The amplified product was subsequently cloned and expressed in Baculovirus. GDNR-beta shares high homology with GDNRRalpha, which is capable of complexing with glial cell line-derived neurotrophic factor (GDNF) and mediating cell response to GDNF. The GDNFR
                                                                                                                                                                                                                                                                                                                                                                                                                 New isolated glial cell derived neurotrophic factor receptors - used to develop products for treating e.g. neurodegenerative disorders, schizophrenia, hypertension, tumours, renal disorders, kidney failure or
           Glial cell line-derived neurotrophic factor receptor gamma 1;
GDNFR-alpha; glial cell line-derived neurotrophic factor; GDNF,
neurodegenerative disease; amyotrophic lateral sclerosis; GDNFR-gammal;
Parkinson's disease; Schizophrenia; insomnia; tardive dyskenisia;
hypertension; pituitary adenomas; hyperprolactinemia; thyroid tumour;
renal disorder; kidney failure; gut dysfunction; regeneration;
cardiomyocyte; epithelium; hepatocyte; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                          Ruben SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 6; Page 68; 156pp; English.
                                                                                                                                                                                                                                                                                                                                                          Gentz RL,
                                                                                                                                                                                                                                                                            97US-0047092P.
                                                                                                                                                                                                                                                                                                                          (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                                                                                                                                                                                          Young P,
                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1999-070150/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gut dysfunction.
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                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                  WO9853069-A2.
                                                                                                                                                                                                                                                                              20-MAY-1997;
                                                                                                                                                                                                                                                                                             27-JUN-1997;
                                                                                                                                                                                                                 26-NOV-1998
                                                                                                                                       Synthetic
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polypeptides and agonists can be used for treating disorders associated with decreased activity of the respective polypeptides. They can be used for treating neurodegenerative diseases such as amyotrophic lateral sclerosis, Parkinson's disease, schizophrenia, insomnia, tardive dyskenisia, hypertension, pituitary adenomas, hyperprolactinemia, thyroid tumour, renal disorders, kidney failure, gut dysfunction, or for regeneration of cardiomyocytes, epithelium or hepatocytes. Antegonists of the polypeptides can be used for treating disorders associated with increased activity of the respective polypeptides. The products can also be used for detection, diagnosis and drug screening Sequence 141 BP; 19 A; 60 C; 38 G; 24 T; 0 U; 0 Other; 1.8%;

Gaps .: Score 22; DB 2; Length 141; Pred. No. 2.2; Indels .; 0 100.0%; Preq. nc-Query Match Best Local Similarity 100. Matches 22; Conservative

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ABN99162 standard; DNA; 767 01-AUG-2002 ABN99162; RESULT 14 **ABN99162** MXEXEXEX BX B

BP

(first entry)

Arabidopsis thaliana expressed polynucleotide SEQ ID NO 930.

Arabidopsis thaliana; plant; insecticide; fungicide; transgenic; stress;

disease; crop; thale cress; tolerance factor; insect; pathogen; nutrition; ds. Arabidopsis thaliana. JS2002023281-A1

26-JAN-2001; 2001US-00770445.

27-JAN-2000; 2000US-0178472P.

GORLACH J. GORL/)

HAMILTON C M. (HAMI/

RAINES T M. PRICE J L. (PRIC/) (RAIN/) (YUYY/)

RAMEAKA J G. PAGE A (RAME/) (PAGE/)

WOESSNER J P MATHEW A V. LEDFORD B L. (MATH/) (LEDF/)

HAAS W D. GARCIA C A. HAAS W

KRICKER M. SLATER T. (HAAS/) (GARC/) (KRIC/) (SLAT/)

DAVIS K R. ALLEN K. HOFFMAN N. HURBAN P. (DAVI/)
(ALLE/) HURB/)

Haas WD; Yu Y; JP, Haas Wl Hoffman N; Mathew AV, Ledford BL, Woessner, Slater T, Davis KR, Allen K, Raines TM, Price JL, An Y, Hamilton CM, Kricker M, Page A, Gorlach J, Rameaka JG, Garcia CA, Hurban P;

WPI; 2002-403163/43.

nomologous genes, function of its New Arabidopsis thaliana nucleic acid for identifying homologous producing compositions that modulate the expression or function o encoded protein, and mapping functional regions of protein.

Claim 1; SEQ ID NO 930; 49pp + Sequence Listing; English.

The invention relates to an Arabidopsis thaliana nucleic acid (I) comprising a sequence capable of hybridising under stringent conditions to a sequence selected from any one of 995 sequences (ABN982313-ABN99231), given in the specification or its fragment. A polypeptide (II) encoded by (I), a transgenic plant (III) comprising an exogenous nucleic acid or a genetically modified cell (IV) comprising an exogenous nucleic acid, is useful in identifying homologous or related genes, in producing compositions that modulate the expression or function of its encoded protein, mapping functional regions of related genes, in producing compositions that modulate the expression or function of its encoded protein, mapping functional regions of the protein and in studying associated physiological pathways. (I) is also useful for the genetic manipulation of cells, particularly plant cells. (I) is also useful in screening assays of various plant strains to determine the strains that are best capable of withstanding a particular disease or environmental creates (II) and (III) are useful for screening of biologically active agents, e.g. fungicides, insecticides, etc., for elucidating biochemical pathways. The screened agents are useful in improved methods of treating crops to proper to prevent or treat disease. (II) are also useful in creening production of a biosynthetic product in a plant. (III) is useful for identifying other mediators that may induce chance their tolerance to environmental stress, (Or enhance to which any specific insect and/or pathogen is responsible for damage to any specific insect and/or pathogen is responsible for damage to any specific any specific insect and/or pathogen is responsible for damage to any specific insect and/or pathogen is responsible for damage to induce to environmental stress, for identifying other mediators that enhance or induce to learning the induction of a biosynthetic production of any specific insect and/or pathogen is responsible for damage to any successive of particular plant,

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This sequence encodes a novel glial cell line-derived neurotrophic factor alpha-3 receptor (GDNF alpha-3). This protein can be used to treat e.g. neurodegenerative diseases (such as Parkinson's Disease, amyotrophic lateral sclerosis (ALS), spinal muscular atrophy (SMA), Huntington's Disease, Alzheimer's Disease, diabetic neuropathy), muscular diseases (including the muscular dystrophies) and nerve and muscle trauma and in
biosynthetic pathways of nutritional, commercial, or medicinal value and for identifying productions of nutritional, commercial or medicinal value. (IV) is useful in the study of genetic function and regulation, for alteration of the cellular metabolism and for screening compounds that may affect the biological function of the gene or gene products. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPYO at seqdata.uspto.gov/sequence.html?DocID=999909770445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New factor alpha 3 receptor polypeptide and e.g. DNA and agonists - used to treat neuro degenerative diseases, muscular diseases and nerve and muscle trauma and in diagnostic assays.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Glial cell line-derived neurotrophic factor alpha-3 receptor, GDNF; treatment; neurodegenerative disease; Parkinson's Disease; ALG; SMA; amyotrophic lateral sclerosis; spinal muscular atrophy; nerve; trauma; Huntington's Disease; Alzheimer's Disease; diabetic neuropathy; muscle;
                                                                                                                                                                                                                                           Gaps
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/note= "partial sequence of glial cell-derived
neurotrophic factor alpha-3 receptor"
                                                                                                                                                                                                      Query Match 1.8%; Score 22; DB 6; Length 767; Best Local Similarity 100.0%; Pred. No. 2.3; Matches 22; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                    Sequence 767 BP; 169 A; 199 C; 147 G; 252 T; 0 U; 0 Other;
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1. .1200
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                                                                                                                                                                                                                                                                                                    672 CCGCCGTCGTTGTTGTGGCTGC 693
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97GB-00009463.
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P-PSDB; AAW65116.
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09-MAY-1997;
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AAV35364
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                                                                 1.8%; Score 22; DB 2; Length 1200;
100.0%; Pred. No. 2.3;
tive 0; Mismatches 0; Indels
                                    Sequence 1200 BP; 236 A; 419 C; 307 G; 238 T; 0 U; 0 Other;
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diagnostic assays for such conditions
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ADDRESSEE: Biogen, Inc.
STREET: 14 Cambridge Center
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STATE: MA
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LENGTH: 1203
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Sequence 10, Appl
Sequence 128, Appl
Sequence 1283, Ap
Sequence 16752, A
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Sequence 1019, Ap
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Sequence 15, Appl
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7101.389 Million cell updates/sec
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                                                                                                                  1 aggtgtgagtccagccaaca......gtaatacaactgtagtatag 1240
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Sequence
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1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-09-187-906-20
US-09-162-484-19
US-09-669-751-128
US-09-6490-033A-3243
US-09-621-976-16752
US-09-621-976-16751
US-09-252-991A-12735
US-09-593-711A-3
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US-09-833-381-523
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                                      - nucleic search, using sw model
                                                                                                                                     OLIGO_NUC
Gapop_60.0 , Gapext 60.0
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Maximum DB seq length: 2000000000
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GENERAL INFORMATION:
APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Malbrandt, Jeffrey D.
TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
TITLE OF INVENTION: Artemin, A No. 6284540el Neurotrophic Factor
FILE REPERROCE: 6029-7998
CURRENT FILING DATE: 1998-12-24
GURENT FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-11-12
EARLIER PELING DATE: 1998-11-12
EARLIER FILING DATE: 1998-09-29
NUMBER OF SED ID NOS: 120
CORTWADER. DATE: 1998-09-29
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Barent No. 6677135

GENERAL INDEMATION:
APPLICANT: BIOGEN, INC.
TITLE OF INVENTION: Ret Ligand (RetL) for Stimulating Neural
TITLE OF INVENTION: and Renal Growth
NUMBER OF SEQUENCE: 21
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.8%; Score 22; DB 3; Length 1203;
100.0%; Pred. No. 0.18;
ive 0; Mismatches 0; Indels
                US-08-447-500-5
US-08-454-097-5
US-08-453-86-5
US-08-132D-908
US-09-421-522-6
US-09-441-522-0
US-09-489-039A-4904
US-09-489-039A-4904
US-09-919-060-12
US-09-919-060-14
US-09-919-060-14
US-09-919-060-14
US-09-919-060-14
US-09-919-060-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22; Conservative
; ORGANISM: Homo sapiens
US-09-220-528-65
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Best Local Similarity
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RESULT 5
US-09-489-039A-3243/C
US-09-489-039A-3243, Application US/09489039A

Patent No. 6610836
GENERAL INFORMATION:
APPLICANT: Gary Breton et. al
TITLE OF INVENTION: PUECHOR ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
FILLE REFERENCE: 2709-200401
CURRENT APPLICATION NUMBER: US/09/489,039A
CURRENT APPLICATION NUMBER: US 60/117,747
PRIOR APPLICATION NUMBER: US 60/117,747
PRIOR FILING DATE: 1999-01-29
NUMBER OF SEQ ID NOS: 14342
                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Greenspan, Ralph J.
APPLICANT: Greenspan, Ralph J.
TITLE OF INVENTION: Methods for Identifying Compounds for TITLE OF INVENTION: Methods for Identifying compounds for TITLE OF INVENTION: Balance and the Perception of Gravity TITLE OF INVENTION: Balance and the Perception of Gravity FILE REPERBENCE: P-10 3864
CURRENT APPLICATION NUMBER: US/09/669,751
CURRENT FILING DATE: 1999-12-02
NUMBER OF SEQ ID NOS: 261
NUMBER OF SEQ ID NOS: 261
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.7%; Score 21; DB 4; Length 1428; Best Local Similarity 100.0%; Pred. No. 0.59; Matches 21; Conservative 0; Mismatches 0; Indels
1.8%; Score 22; DB 3; Length 3942;
100.0%; Pred. No. 0.19;
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                                                    Mismatches
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; Sequence 16752, Application US/09621976
; Patent No. 6639063
                                                                                                        873 GCTGCTGCTGCCGCCGTCG 894
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US-09-669-751-128/c
; Sequence 128, Application US/09669751
; Patent No. 6551575
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                  100.0%; Pri
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                                                      22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ), ORGANISM: Drosophila
US-09-669-751-128
  Query Match
Best Local Similarity
Matches 22; Conserv
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LENGTH: 1428
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Sequence 19, Application US/09162484;
Patent No. 6248724
GENERAL INFORMATION:
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Phillips, M. Ian
APPLICANT: Moducay, Dagmara
TITLE OF INVENTION: ANTISENSE OLICONUCLEOTIDE COMPOSITIONS TARGETED TO
TITLE OF INVENTION: ANTISENSE OLICONUCLEOTIDE COMPOSITIONS OF USE
FILE REFERENCE: UFLA.087/UFLA.0879;
CURRENT APPLICATION NUMBER: US/09/162,484
CURRENT TILING DATE: 1997-09-25
MUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SSEQ ID NO 19
LENGTH: 3942
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0.18;
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                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/09/187,906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.8%; Score 22; DB Best Local Similarity 100.0%; Pred. No. 0.1 Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Kaplan, Warren A.
REGISTRATION VNUBER: 34,199
REFERENCE/DOCKET NUMBER: A008 PCT CIP
TELECOMMUNICATION INFORMATION:
TELEBAX: 617-679-2400
TELEFAX: 617-679-2438
INFORMATION FOR SEQ ID NO: 20:
                                                                                                                                                                         FILING DATE:
CLASSIFICATION
PRIOR APPLICATION
PRIOR APPLICATION
PRIOR APPLICATION NUMBER: PCT/US97/07726
PRIOR APPLICATION NUMBER: PCT/US97/07726
PTLING DATE: 08-MAY-97
PTLING DATE: 08-MAY-96
PRIOR APPLICATION NUMBER: US 60/019,300
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/019,300
FILING DATE: 16-JUN-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/021,859
FILING DATE: 16-JUL-96
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/043,533
FILING DATE: 10-APR-97
ATTORNEY/AGENT INFORMATION:
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LENGTH: 1699 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
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175..1374
       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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LOCATION:
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US-09-162-484-19
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Sequence 12735, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
AEROIGNERAL
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: WOLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: ARRUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-02-18
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR PRIOR FILING DATE: 1999-07-7
NUMBER OF SEQ ID NOS: 33142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: AWTISENSE MODULATION OF C/EBP BETA EXPRESSION
FILE REFERENCE: RTS-0118
CURRENT APPLICANTON NUMBER: US/09/593,711A
CURRENT FILING DATE: 2000-06-14
NUMBER OF SEQ ID NOS: 244
                                                                            Query Match 1.6%; Score 20; DB 4; Length 984; Best Local Similarity 100.0%; Pred. No. 1.9; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.6%; Score 20; DB 4; Best Local Similarity 100.0%; Pred. No. 2; Matches 20; Conservative 0; Mismatches (
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                                                                                                                                                                                                                              395 rerecrecaacrecre 414
  ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12897
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-12735
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LOCATION: 1415
COTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1421
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1422
OTHER INFORMATION: unknown
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OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                        RESULT 9
US-09-252-991A-12735
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LOCATION: 1423
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LENGTH: 1857
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Sequence 12897, Application US/09252991A

Sequence 12897, Application US/09252991A

Sequence 12897, Application US/09252991A

Sequence 12897, Application US/09252991A

Sequence 12897, Application US/09252991A

APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: NOUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFRENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-02-18

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 12897

LENGTH: 984
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1.6%; Score 20; DB 4; Length 394;
Best Local Similarity 100.0%; Pred. No. 1.8;
Matches 20; Conservative 0; Mismatches 0; Indels
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1.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                  APPLICANT: Dumas Milne Edwards, J.B.
APPLICANT: Jobert, S.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: ESTS and Encoded Human Proteins.
FILE REFERENCE: GENSET. 054PR2
CURRENT APPLICATION NUMBER: US/09/621,976
CURRENT FILING DATE: 2000-07-21
NUMBER OF SEQ ID NOS: 19335
SOFTWARE: Patent.pm
SEQ ID NO 16752
LENGTH: 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-621-976-16751

Sequence 16751, Application US/09621976

Fatent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Jobert, S.

APPLICANT: Glordano, J.Y.

TITLE OF INVENTION: ESTS and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335
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100.0%; Pred. No. ...
0; Mismatches
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-16752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA; ORGANISM: Homo sapiens
US-09-621-976-16751
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 16751
LENGTH: 794
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      q
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Gaps

Length 1857;

872 CGCTGCTGCTGCTGCCGCCG 891

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OTHER INFORMATION: unknown

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Sughrue, Mion, Zinn, Macpeak
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STREET: 2100 Pennsylvania Avenue, N.W. CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: Patentin Release #1.24
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/012,735
FILING DATE: 19930203
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION WHERE: US/07/601,094
FILING DATE: 22 OCT 1990
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: D.C.
COUNTRY: United States
ZIP: 20037-3202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/08864038A; Patent No. 6001592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             204 cechechechecheccecce 185
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            204 CGCTGCTGCTGCCGCCG 185
                                                                                                                                                                       ; Sequence 1, Application US/08012735; Patent No. 5360894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (202) 293-7060
TELEFAX: (202) 293-7860
TELER: 6491103
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 1914 base pairs
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EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; LOCATION: 281.,1316
; OTHER INFORMATION:
US-08-012-735-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS:
                                                                                                                RESULT 12
US-08-012-735-1/c
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100.0%; Pred. No. 2;
                                                                                                                                                                                                                                                                                           Query Match 1.6%; Score 20; DB 3; Length 1910; Best Local Similarity 100.0%; Pred. No. 2; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1, Application US/07601094

Patent No. 5215892
GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Hirano, Toshio
APPLICANT: Isshiki, Hiroshi
APPLICANT: Tanabe, Osamu
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
APPLICANT: Kinoshita, Shigemi
TITLE OF INVENTION: C/EBP2
TITLE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Sughrue, Mion, Zinn, Macpeak
ADDRESSEE: Seas
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Preα....
tive 0; Mismatches
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STATE: D.C.

COUNTRY: United States

ZIP: 20037-3202

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC_DOS/MS-DOS

SOFTWARE: PatentIn Release #1.24

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/601,094

FILING DATE: 19901022

TELECHONICATION INFAMATION:

TELECHONNICATION INFAMATION:

TELECHONE: (202) 293-7860

TELECHONE: (202) 293-7860

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TELECHONE: (202) 293-7860
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NAME/KEY: unsure
LOCATION: 1424
OTHER INFORMATION: unknown
NAME/KEY: unsure
LOCATION: 1458
OTHER INFORMATION: unknown
NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                      ; LOCATION: (299)...(1336)
US-09-593-711A-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: CDS TOCATION: 281..1316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Then 20; Conservat
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CTHER INFORMATION:
US-07-601-094-1
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1.6%; Score 20; DB 1; Length 1914;
Best Local Similarity 100.0%; Pred. No. 2;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Kunio NAKASHIMA et al.
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
GENERAL INFORMATION:
APPLICANT: Kishimoto, Tadamitsu
APPLICANT: Kishimoto, Toshio
APPLICANT: Akira, Shizuo
APPLICANT: Atanabe, Osamu
APPLICANT: Tanabe, Osamu
APPLICANT: Shimamoto, Takuya
ITILE OF INVENTION: C/EBP2 Gene and Recombinant
ITILE OF INVENTION: C/EBP2
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
```

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Sequence 4, Application US/08864038A

Patent No. 6001592

GENERAL INFORMATION:
TITLE OF INVENTION: CONTAINING SAID CDNA, WECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: SAID POLYPEPTIDE DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:
ADDRESSEE: 812-5 Hirano
SIREET: Isshinden
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible OPERATING SYSTEM: Microsoft Windows 95
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 20; DB 3;
Pred. No. 2.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.6%; Sco...
100.0%; Pred. No....
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION: from 1 to 3331
IDENTIFICATION METHOD: E (by experiment)
                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/864,038A
FILING DATE: May 28, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US/08/864,038A
                                                                                    PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-Ouly-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECOMMUNICATION INFORMATION:
TELECHONE: (212)986-2340
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mantle epithelial cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      872 CGCTGCTGCTGCTGCCGCCG 891
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   904 CGCTGCTGCTGCTGCCGCCG 923
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REFERENCE/DOCKET NUMBER: F-I
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Word Perfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/0
FILING DATE: MAY 28, 1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
E: cDNA to mRNA
                                                                                                                                                                                                                                                                                           TELEFAX: (212)953-7733
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Pinctada fucata
CELL TYPE: mantle epithel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C. Bruce Hamburg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STATE: Mie-prefecture
COUNTRY: JAPAN
                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tsu-city
                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                    3331
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ZIP: 514-01
                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 15
US-08-864-038A-4
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                                                                                                                                                                                                                                                                                                                                                               LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: NOVEL POLYPEPTIDE GENE CDNA, VECTOR
TITLE OF INVENTION: CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
TITLE OF INVENTION: VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING
TITLE OF INVENTION: TO SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY
TITLE OF INVENTION: TO SAID POLYPEPTIDE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
SURPERSPONDENCE ADDRESS:
STRREE SIZ-5 Hitzer
                  VECTOR, POLYPEPTIDE PRODUCED THEREBY, METHOD OF PRODUCING SAID POLYPEPTIDE, DNA ENCODING SAID POLYPEPTIDE AND ANTIBODY TO SAID POLYPEPTIDE
    CONTAINING SAID CDNA, HOST CELLS TRANSFORMED WITH SAID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                       MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage COMPUTER: IBM Compatible OPERATING SYSTEM: MACOSOft Windows 95 SOFTWARE: Word Perfect 6.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/864,038A FILING DATE: May 28, 1997 PRIOR APPLICATION NUMBER: US/08/864,038A FILING DATE: May 28, 1997 APPLICATION NUMBER: UP 8-184459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Z1F: 514-7.
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
CAMPITTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.6%; Score 20; DB
100.0%; Pred. No. 2;
Live 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: JP 8-184459
FILING DATE: 15-July-1996
ATTORNEY/AGENT INFORMATION:
NAME: C. Bruce Hamburg
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-5610
TELECPMUNICATION INFORMATION:
TELECPHONE: (212)986-2340
TELEFRAX: (212)953-7733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CELL TYPE: mantle epithelial cell US-08-864-038A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     855 cácracracracracraccacca 874
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Patent No. 6001592
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                                                                                                                                     812-5 Hirano
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0
Matches 20; Conservative
TITLE OF INVENTION: CONT
TITLE OF INVENTION: VECT
TITLE OF INVENTION: SAID
TITLE OF INVENTION: TO S
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSE: 812-5 Hiran
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mie-prefecture: JAPAN
                                                                                                                                                                                                       STATE: Mie-prefecture
COUNTRY: JAPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  nucleic acid
EDNESS: double
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MEDIUM TYPE: Diskett
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CITY: Tsu-city
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Sequence 1104, Ap
Sequence 3342, Ap
Sequence 16305, A
Sequence 16653, A
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Sequence 255101,
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Sequence 81852, 1
Sequence 930, App
                                                                                                                       September 14, 2004, 23:16:34; Search time 658.934 Seconds (without alignments) 9468.459 Million cell updates/sec
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                                                                                                                                                                                                                                                         1 aggtgtgagtccagccaaca.....gtaatacaactgtagtatag 1240
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(gnz_6/ptodata/2/pubpna/US07 PUBCOMB.seq:*
(cgnz_6/ptodata/2/pubpna/US06 PUBW PUB.seq:*
(cgnz_6/ptodata/2/pubpna/US06 PUBW PUB.seq:*
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GenCore version 5.1.6
(c) 1993 - 2004 Compugen Ltd.
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US-09-864-761-16533

US-10-027-632-255101

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US-09-918-995-3342
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                                                                                    - nucleic search, using sw model
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Maximum DB seq length: 200000000
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Match Length DB
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Sequence 65, Appl Sequence 1498, Ap Sequence 1043, Ap Sequence 1044, Ap Sequence 1044, Ap Sequence 1060, A Sequence 11051, A Sequence 11051, A Sequence 11051, A Sequence 124, Appl Sequence 28842, A Sequence 288369, Sequence 288370, Sequence 5884, Appl Sequence 5884, Appl Sequence 38734, Sequence 38734, Sequence 38734,	
US-09-220-65 US-09-828-366-15 US-10-152-319A-1498 US-09-764-847-1043 US-10-092-154-1044 US-09-764-847-1044 US-09-764-891-6203 US-09-764-891-6203 US-09-764-891-6203 US-10-092-154-1044 US-10-092-154-1044 US-10-092-153-134169 US-10-027-632-134169 US-10-027-632-134169 US-10-027-632-134169 US-10-027-632-134169 US-10-027-632-134169 US-10-027-632-285370 US-10-027-632-285370 US-10-027-632-285370 US-10-027-632-285370 US-10-027-632-285370 US-10-037-632-285370 US-10-037-632-285370 US-10-037-632-285370 US-10-037-632-385364 US-10-037-632-32034 US-10-037-632-32034 US-10-037-632-32034 US-10-027-632-32034 US-10-027-632-32034 US-10-037-632-32034 US-10-037-632-32034 US-10-037-632-32034	
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ALIGNMENTS

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296 ACCTCTCAGAGGTACGACCAGGGCGGGAACTTCACCTCGGAGATGATCATCCACAATGTG 355
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                                                                                     APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20030236392Alel full length cDNA
FILE REPREBLEG: H. A0105
CURRENT APPLICATION NUMBER: US/10/104,047
CURRENT FILING DATE: 2002-03-25
PRIOR APPLICATION NUMBER:
PRIOR APPLICATION NUMBER:
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PatentIn Ver. 2.1
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100.0%; Pred. No. 0;
iive 0; Mismatches
               Sequence 1104, Application US/10104047
Publication No. US20030236392A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 1125; Conservative
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US-10-104-047-1104
US-10-104-047-1104
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CURRENT APPLICATION NUMBER: US/09/918,995
CURRENT FILING DATE: 2001-07-30
PRIOR APPLICATION NUMBER: US/09/235,076
PRIOR FILING DATE: 1999-01-20
NUMBER OF SEQ ID NOS: 38054
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 3342
LENGTH: 474
                                                                                                                                                                                               ; LOCATION: (1)...(474)
; OTHER INFORMATION: n = A,T,C
US-09-918-995-3342
                                                                                                                                                                                NAME/KEY: misc_feature
                                                                                                                                                ORGANISM: Homo sapiens
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Matches 268
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1032

63 GAPATCTGAAAAAGAGAAGACAAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTC

973 GAAATCTGAAAAAGAGAGACAAACAAAGAAACTGAGACAGAAAGTGGAAATGAAAACTC

123 CGCTACAATTCAGATGAACAAAAGACCCACAGAAACCGCTTCTCTCCCCTCCCAAATCCTG

CGGCTACAATTCAGATGAACAAAAGACCACAGAAACCGCTTCTCTCCCCCAAATCCTG

1033

183 TGAATCCTGAACCTGAACAAACAAACAGTAGCTGTGGCCCTCCTCCACCACCGGGCTGA 1153 TCAACGTCCACCCAGGCCAGCAAGTCATCCACAGGCTTCTTTTAATCTGGCCAGTCCTGA

1093 TGAATCCAGTGATCCTGAACAAAGAAACAGTAGCTGTGGCCCTCCTCACCAGCGGGCTGA

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Length 474;

cch 21.6%; Score 268; DB 10; I I Similarity 100.0%; Pred. No. 3.5e-129; 268; Conservative 0; Mismatches 0;

or G

1152

243 TCAACGTCCACCCAGGCAGCCAGCAAGTCATCCACAGGCTTCTTTAATCTGGCCAGTCCTGA

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Sequence 16305, Application US/09864761

Petent NO. US20202004876341

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

TITLE OF INVENTION: HUMBER: US 60/180,312

FILE REFERENCE: Aeomica-X-1

CURRENT APPLICATION NUMBER: US 60/180,312

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PLING DATE: 2000-08-03

PRIOR PLING DATE: 2000-08-03

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

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PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
RESULT 3
US-09-864-761-16305
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Sequence 3342, Application US/09918995
PUblication No. US20030073623A1
GENERAL INFORMATION:
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OFTAINED
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
FILE REFERENCE: 20411-756

RESULT 2 US-09-918-995-3342

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APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
FRIOR FILING DATE: 2000-07-12
PRIOR PLICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR PLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR PLICATION NUMBER: US 60/185,218
PRIOR PLICATION NUMBER: US 60/185,218
PRIOR PLICATION NUMBER: US 60/185,218
PRIOR PLING DATE: 2000-02-24
PRIOR PLING DATE: 1999-11-23
PRIOR PLING DATE: 1999-09-08
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-08
PRIOR PLING DATE: 1999-09-08
PRIOR PLING DATE: 1999-09-08
PRIOR PLING DATE: 1999-08-09
SOFTWARE PRICKING DATE: 1999-08-09
SOFTWARE PRICKING DATE: 1999-08-09
SOFTWARE PRICKED
SOFTWARE PARESQ for Windows Version 4.0
SEQ ID NO 255100
LENGTH: 1078
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2.0%; Score 25; DB 9; Length 357;
Best Local Similarity 100.0%; Pred. No. 0.041;
Matches 25; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: 2001-01-50
PRIOR APPLICATION NUMBER: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-20
NUMBER OF SEQ ID NOS: 49117
SEQ ID NO 16653
LENGTH: 357
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CTHER INFORMATION: MAP TO AF064857.1
CTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.93
US-09-864-761-16653
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ORGANISM: Homo sapiens
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US-10-027-632-255100
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Facent No. US20020048763A1

GENERAL INFORMATION

GENERAL INFORMATION

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

TITLE OF INVENTION: GONG EXPRESSION ANALYSIS BY MICROARRAY

TITLE REFERENCE: Accorded To 80/180,312

PRIOR PILING DATE: 2000-05-26

PRIOR PELING DATE: 2000-06-20

PRIOR PILING DATE: 2000-06-03

PRIOR PILING DATE: 2000-09-03

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           223 CATGTGGGCTCTCAGTGACATGGTGGTGCTAAGCGTCAGGCCCATGGAGCCCATCATCAC 282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    258 AGTCCTGAAGGCTCCCAGGCTCGCTTCAACTGCACCGTCTCCCAGGGCTGGAAGCTCAT
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OTHER INFORMATION: MAP TO AF121782.1

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.9
US-09-864-761-16305
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-01-30
PRIOR FILING DATE: 2000-01-30
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR FILING DATE: 2000-06-30
PRIOR PLICATION NUMBER: US 09/714,203
PRIOR PLICATION NUMBER: US 09/714,203
PRIOR PLICATION NUMBER: US 09/714,203
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100.0%; Pred. No. 2.4e-64;
tive 0; Mismatches 0;
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Matches 144; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Homo sapiens
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TITLE OF INVENTION:

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide

TITLE OF INVENTION: Polymorphisms in the Human Genome

FILE REFERENCE: 108827.129

CURRENT PILING DATE: 2002-04-30

FRIOR PILING DATE: 2000-07-12

FRIOR FILING DATE: 2000-07-12

FRIOR FILING DATE: 2000-07-12

FRIOR FILING DATE: 2000-03-29

FRIOR FILING DATE: 2000-03-29

FRIOR FILING DATE: 2000-03-29

FRIOR FILING DATE: 2000-03-29

FRIOR FILING DATE: 2000-03-29

FRIOR PAPLICATION NUMBER: US 60/185,218

FRIOR APPLICATION NUMBER: US 60/165,368

FRIOR APPLICATION NUMBER: US 60/165,368

FRIOR APPLICATION NUMBER: US 60/166,368

FRIOR APPLICATION NUMBER: US 60/166,368

FRIOR PILING DATE: 1999-09-28

FRIOR PILING DATE: 1999-09-28

FRIOR FILING DATE: 1999-09-28

FRIOR FILING DATE: 1999-08-08

NUMBER OF SEQ ID NOS: 325720

SOFTWARE FRANCE FRANCE
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Publication No. US20030204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
ITILE OF INVENTION: Identification and Mapping of Single Nucleotide
ITILE OF INVENTION: Polymorphisms in the Human Genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.9%; Score 24; DB 13; Length 1078; 00.0%; Pred. No. 0.14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.9%; Score 24; DB 16; Length 1078; 100.0%; Pred. No. 0.14;
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PRIOR APPLICATION NUMBER: US 60/167,363
PRIOR FILING DATE: 1999-11-23
PRIOR APPLICATION NUMBER: US 60/156,358
PRIOR PLING DATE: 1999-09-28
PRIOR PLING DATE: 1999-09-09
PRIOR PLING DATE: 1999-08-09
PRIOR FILING DATE: 1999-08-09
PRIOR FILING DATE: 1999-08-09
PRIOR FILING DATE: 1999-08-09
PRIOR FILING PARE: ENGLISE OF NOS: 325720
SOFTWARE: PREESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 255100, Application US/10027632; Publication No. US20030204075A9; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  871 AGTTTCCTAGGCTGCCATAACAAA 894
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Best Local Similarity
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Matches 24; Conserv
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LENGTH: 1078
                                                                                                                                                                                                                                                                     SEQ ID NO 255102
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JERURKAL ILLOWING DAVIG G.

TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
FRIOR PILING DATE: 2000-07-12
FRIOR PILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-03-29
FRIOR FILING DATE: 2000-03-29
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FRIOR FILING DATE: 1999-09-28
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FRIOR FILING DATE: 1999-09-28
FRIOR FILING DATE: 1999-08-09
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
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100.0%; Pred. No. 0.1
tive 0; Mismatches
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PRIOR FILING DATE: 2000-07-12
PRIOR PELICATION NUMBER: US 60/198,676
PRIOR FILING DATE: 2000-04-20
PRIOR APPLICATION NUMBER: US 60/193,483
PRIOR FILING DATE: 2000-03-29
PRIOR PRILICATION NUMBER: US 60/185,218
PRIOR FILING DATE: 2000-02-24
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Publication No. US20020198371A1
GENERAL INFORMATION:
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Publication No. US20020198371A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 24; Conservative
             ; OKGANISH: US-10-027-632-255100
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US-10-027-632-255101
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ORGANISM: Human
      ORGANISM: Human
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871 AGTITCCTAGGCTGCCATAACAAA 894

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                                                                                                                                                                                           ; Sequence 257899, Application US/10027632; Publication No. US20020198371A1; GENERAL INFORMATION:
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Matches 24, Conservative
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LOCATION: (1)...(1121)
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US-10-027-632-257899
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Sequence 255102, Application US/10027632
Sequence 255102, Application US/10027632
Sequence 255102, Application No. US20030204075A9
GENERAL INFORMATION:
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT APPLICATION NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
FRIOR APPLICATION NUMBER: US 60/186,006
FRIOR APPLICATION NUMBER: US 60/193,483
FRIOR FILING DATE: 2000-03-29
FRIOR PELING DATE: 2000-03-29
FRIOR PELING DATE: 2000-03-29
FRIOR PELING DATE: 2000-03-29
FRIOR PELING DATE: 1999-11-23
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                    CURRENT FFEATON NUMBER: US/10/027,632
CURRENT FILING DATE: 2002-04-30
PRIOR PLILING DATE: 2002-04-30
PRIOR PLILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-04-20
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Best Local Similarity
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US-10-027-632-255101
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US-10-027-632-255102
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GENERAL INCORANT: WAND, David G.

JITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Polymorphisms in the Human Genome
FILE REPERBNCE: 108827.129
CURRENT FILING DATE: 2002-04-30
FRIOR PELICATION NUMBER: US 60/218,006
FRIOR PELICATION NUMBER: US 60/198,676
FRIOR FILING DATE: 2000-07-12
FRIOR FILING DATE: 2000-07-20
FRIOR FILING DATE: 2000-07-20
FRIOR FILING DATE: 2000-07-20
FRIOR FILING DATE: 2000-03-29
FRIOR FILING DATE: 2000-02-24
FRIOR FILING DATE: 1900-02-24
FRIOR FILING DATE: 1900-02-24
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TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
TITLE OF INVENTION: Dolymorphisms in the Human Genome
FILE REPERBNCE: 108827.129
CURRENT FILING DATE: 2002-04-30
CURRENT FILING DATE: 2000-07-12
FRIOR APPLICATION NUMBER: US 60/198,006
FRIOR APPLICATION NUMBER: US 60/198,676
FRIOR PILING DATE: 2000-04-20
FRIOR PAPLICATION NUMBER: US 60/193,483
FRIOR PILING DATE: 2000-04-20
FRIOR APPLICATION NUMBER: US 60/193,483
FRIOR PILING DATE: 2000-03-29
FRIOR FILING DATE: 2000-02-4
FRIOR FILING DATE: 1909-01-23
FRIOR PILING DATE: 1909-01-23
FRIOR PILING DATE: 1909-01-23
FRIOR PILING DATE: 1999-01-23
FRIOR APPLICATION NUMBER: US 60/167,363
FRIOR FILING DATE: 1999-09-28
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FRIOR FILING DATE: 1999-09-28
FRIOR FILING DATE: US 60/146,002
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RESULT 15
US-09-220-65
US-09-220-520-65
Sequence 65, Application US/09220920
Patent No. US200200226941
GENERAL INFORMATION:
APPLICANT: Milbrandt, Jeffrey D.
APPLICANT: Milbrandt, Jeffrey D.
TITLE OF INVENTION: Attemin, A No. US20020002269Alel Neurotrophic Factor
FILE OF INVENTION NUMBER: US/09/220,920
CURRENT APPLICATION NUMBER: US/09/220,920
CURRENT FILING DATE: 1998-12-24
EARLIER APPLICATION NUMBER: 60/108,148
EARLIER FILING DATE: 1998-11-12
EARLIER FILING DATE: 1998-11-12
EARLIER FILING DATE: 1998-12-22
MUMBER: OF SERVICATION NUMBER: 09/218,698
EARLIER FILING DATE: 1998-12-22
NUMBER: OF SERVICATION NUMBER: 09/218,698
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EARLIER PILING DATE: 1998-11-22
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                                                                                                            APPLICANT: Kricker, Maja
APPLICANT: Slader, Ted
APPLICANT: Davis, Keith R.
APPLICANT: Davis, Keith R.
APPLICANT: Allen, Keith R.
APPLICANT: Hubban, Neil
APPLICANT: Hubban, Patrick
TITLE OF INVENTION: Expressed Sequences of Arabidopsis;
TITLE OF INVENTION: Expressed Sequences of Arabidopsis;
CURRENT APPLICATION: UNMERR: US/09/770,445
CURRENT APPLICATION NUMBER: US/09/770,445
CURRENT FILING DATE: 2001-01-26
PRIOR APPLICATION NUMBER: US 60/178,472
PRIOR APPLICATION NUMBER: US 60/178,472
NUMBER OF SEQ ID NOS: 999
SOFTWARE: PatSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 1.8%; Score 22; DB 9. Best Local Similarity 100.0%; Pred. No. 1.5; Matches 22; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Search completed: September 15, 2004, 07:20:17 Job time : 659.934 secs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               51 géridéridéridécedécéred 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Arabidopsis thaliana US-09-770-445-930
                                                                                       Garcia, Carlos A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 65
LENGTH: 1203
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US-09-220-920-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 930
LENGTH: 767
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; Sequence 81822, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wai

APPLICANT: Wu, Wai
; APPLICANT: Wu, Wai
; APPLICANT: Barbazuk, Brad
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100.0%; Pred. No. 0.46;
Live 0; Mismatches 0; Indels
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US-10-437-963-81852
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1.9%; Score 24; DB
Best Local Similarity 100.0%; Pred. No. 0.1
Matches 24; Conservative 0; Mismatches
                                 NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 257899
LENGTH: 1121
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Patent No. US2002023281A1
GENERAL INFORMATION:
APPLICANT: Gorlach, Jorn
APPLICANT: An, Yong-Qiang
                                                                                                                                                                                                                                                                                                                     NAME/KEY: misc_feature

COCATION: (1)...(1121)

CTHER INFORMATION: n = A,T,C or

US-10-027-632-257899
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An, Yong-Qiang
Hamilton, Carol M.
Price, Jennifer L.
Raines, Tracy M.
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Matthew, Abraham V.
Ledford, Brooke L.
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Rameaka, Joshua G.
PRIOR FILING DATE: 1999-08-09
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Matches 23; Conservative
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ORGANISM: Oryza sativa
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US-10-437-963-81852/c
                                                                                                                                                                                                TYPE: DNA
ORGANISM: Human
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US-09-770-445-930
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